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SPRING 1950

Geo. J. Ball
INC.

WEST CHICAGO
ILLINOIS

"^{BETTER} Flower Seeds for Florists"

TO OUR CUSTOMERS:

The passing of our "Chief" in September has been a deep personal loss to all of us as well as to many of you. We consider ourselves most fortunate to have worked under him during the years past. It is our intention to continue the policies under which he so successfully founded and developed our business. I assure you that we are working hard to warrant your continued patronage and good will.

All prospects point toward a good flower business for the coming year. Retail dollar volume is slightly below last year, but the number of flowers actually bought by the public is high. In this kind of a market, the premium prices go to top quality flowers and plants in the best varieties. Through the operation of our greenhouse plant and our extensive breeding and research programs here at West Chicago, we constantly strive to make your crops more profitable by improving and testing varieties, and better growing methods. We consider a very important part of our business the SERVICE of keeping you informed on these improvements that will help you grow more profitable crops. We have put as much information as possible into our catalog and GROWER TALKS and we'll be most happy to help you with individual problems if you will write or come to see us.

Best wishes for the coming season!

George K. Ball

President

MONEY SAVING DISCOUNT!

On **seed orders only** (except Cyclamen and Lawn Grass) when payment is enclosed or on C.O.D.'s you may subtract 5% on all orders from \$5.00 to \$25.00. On \$25.00 and over, deduct 8%.

For example: A \$30.00 seed order will actually cost you only \$27.60—a worth-while saving. And for your files, an

itemized packing slip showing all the items you've bought will be enclosed with your seed. This cash discount does not apply to Cuttings, Plants, Bulbs or Plant Bands unless quoted differently.

Payment should accompany all orders unless credit has been established. C.O.D. shipments 50% in advance.

SEE INSIDE BACK COVER FOR BUSINESS TERMS

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We Also Issue a Complete Catalog of Mum and Carnation Cuttings. Write for Your Copy.

Of Special Value!

We feel that no progressive grower should overlook the specialty items featured on this page. Each has been selected because of one or more outstanding points that merit special attention. We've given them all a thorough trial, and strongly recommend every one of them as being really worth-while.

TWO OUTSTANDING POT PETUNIAS

Ball All-Double Mixture

(Formula Mixture)

We've added sufficient quantities of separate color white, salmon and purple All-Double varieties to our already well known Canadian Mixture to insure a complete and well balanced formula mixture of **all colors**. Growers who liked the Canadian Mixture (still offered on page 2) will be even more pleased with this new and improved blend. $\frac{1}{2}$ tr. pkt., \$2.00; tr. pkt., \$3.50; $\frac{1}{128}$ oz., \$6.65; $\frac{1}{64}$ oz., \$12.60; $\frac{1}{32}$ oz., \$24.00.

Rosita

(Pictured in color on page 4.) Large, heavily ruffled and fringed flowers of bright creamy rose with netted throats are carried erectly on compact plants. This was one of the best pot plant Petunias in our last season's greenhouse trials. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00.

FINEST WHITE BEGONIA

Snowbank

Extra large, pure glistening white flowers without the least trace of pink shading. The plants are even and dense in growth, and the bright clear green leaves present a striking contrast to the freely produced blooms. If you haven't grown this variety you can't imagine how attractive a good white Begonia can be. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.

MATRICARIA

Ball Double White Imp.

This strain has been carefully reselected for fully double flowers, and our own trials show it to be well over 90% true, double imbricated blooms. Nearly all of the single and anemone types have been removed, and we can assure our many friends that this is identical to our well known strain that was so popular before the war. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.00; $\frac{1}{8}$ oz., \$3.60.

Below: Carl Ball inspecting flowering trial of our Improved Matricaria.



PETUNIA—FIRE CHIEF

Winner of the first Gold Medal ever awarded in 11 years of competitive All-America trials. Newly opened flowers are a true scarlet-red, turning to deep salmon-rose with age. In our past season's trials this new Petunia held its color well even under bright midsummer sun and high temperatures. Growth is compact but erect, and the plants are quite free flowering. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.25; $\frac{1}{16}$ oz., \$2.25; $\frac{1}{8}$ oz., \$3.50.

BALL HYBRID SNAPS

Ball Yellow Hybrid No. 1

We believe this is the finest golden yellow Snap available. You'll like it for its long, strong stems, outstanding deep gold color, and heavy production. $\frac{1}{2}$ tr. pkt., \$1.75; tr. pkt., \$3.00.

Ball Red Hybrid No. 7

Has the same rich scarlet-crimson color of the old Velvet Supreme, but with vastly superior flower spike and stem length. Fine for either Christmas or spring flowering. $\frac{1}{2}$ tr. pkt., \$1.75; tr. pkt., \$3.00.

Ball Pink Hybrid No. 2

This outstanding medium pink was distributed experimentally last season as No. 15. So favorable were reports that we are offering it this winter subject to results from a special fall seed crop. Because of its choice color and heavy production, we believe this new Hybrid has a great future. $\frac{1}{2}$ tr. pkt., \$1.75; tr. pkt., \$3.00.

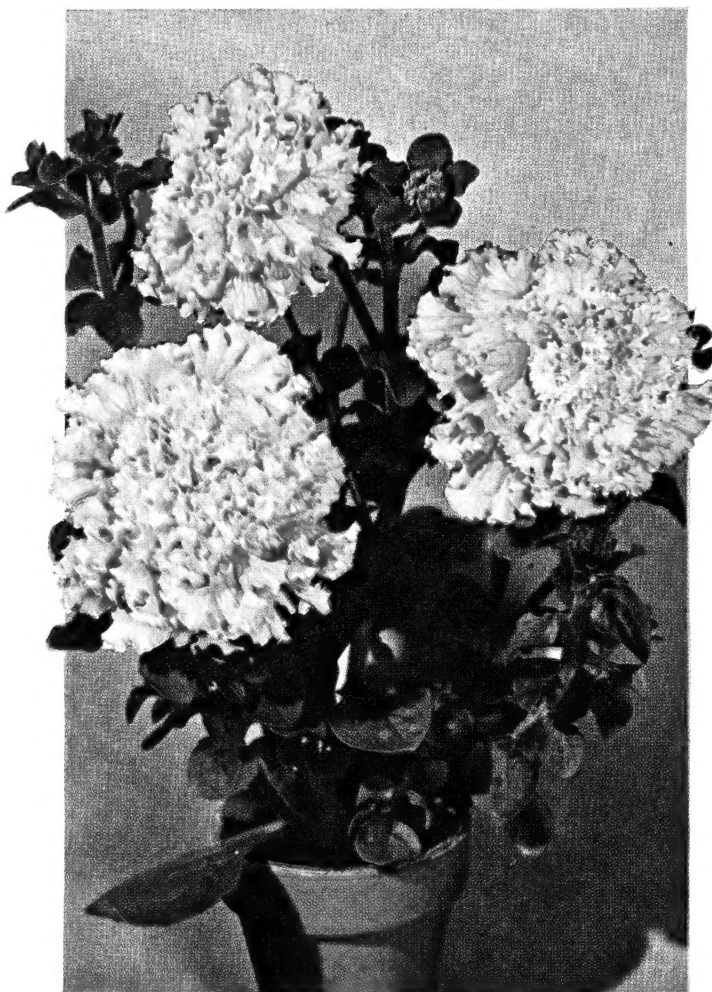
LARKSPUR CHAMPIONS

Regal Rose

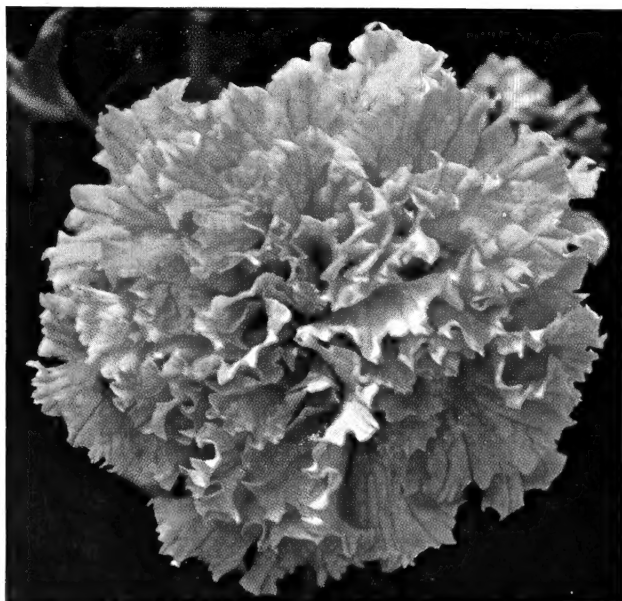
Rich, deep rose with fine, heavy spikes and large, double florets. This was outstanding in our last season's trials. Tr. pkt., 50c; $\frac{1}{2}$ oz., \$1.50; 1 oz., \$2.70; 4 ozs., \$9.00; 1 lb., \$27.00.

Salmon Supreme

A medium deep rose characterized by its extremely vigorous growth. Stems are long and sturdy with top quality flower spikes. Tr. pkt., 35c; $\frac{1}{2}$ oz., \$1.00; 1 oz., \$1.80; 4 ozs., \$6.00; 1 lb., \$18.00.



Hard to imagine a finer pot plant than this typical Petunia taken from our last spring's pot plant trial of Ball All-Double Mixture.



Allegro, best by far of the salmon All-Double Petunias

All-Double

The interest of the trade in Double Petunias is consistently increasing, for well flowered, 4- or 5-inch pot plants are highly attractive. With their growth stronger than most of the singles, it follows that, after the seedling stage is reached, their cost to the grower is no greater than the singles. And considering their premium selling price, it should be clear that, with 200,000 seeds in an ounce, Double Petunias are considerably more profitable. In fact, supplies are frequently exhausted. Also, because of their hybrid vigor, due to much crossing in seed production, they are particularly valuable for outdoor work. Consider, too, their cut flower value throughout the summer. Nothing quite so attractive for corsages and low containers or centerpieces. And all summer they can be had on nice stems.

Our own carefully conducted greenhouse trials reveal the following varieties as the best in their respective color classes: Allegro, salmon; Sonata, white; Nocturne, purple; Rose of Canada, medium rose; Northern Lights, pink; Pink Perfection, deep rose; Gaiety, pink and white blotched; Ball All-Double Mixture, all colors.

BALL ALL-DOUBLE MIXTURE (Formula Mixture)

We've added sufficient quantities of separate color white, salmon and purple All-Double varieties to our already well known Canadian Mixture to insure a complete and well balanced formula mixture of **all colors**. Growers who liked the Canadian Mixture (still offered below) will be even more pleased with this new and improved blend. $\frac{1}{2}$ tr. pkt., \$2.00; tr. pkt., \$3.50; $\frac{1}{128}$ oz., \$6.65; $\frac{1}{64}$ oz., \$12.60; $\frac{1}{32}$ oz., \$24.00.

CANADIAN ALL-DOUBLES

***Canadian Mixture.** The excellent germination, rich coloring and uniformly dwarf but vigorous and free-branching habit of this fine Petunia have been favorably commented on by growers everywhere. Though not heavily fringed, the large flowers are nicely ruffled and 100% double. Rose, pink and mauve are represented in this fine mixture. $\frac{1}{2}$ tr. pkt., \$1.80; tr. pkt., \$3.00; $\frac{1}{128}$ oz., \$6.50; $\frac{1}{64}$ oz., \$11.70.

Colossal Shades of Rose. The largest flowered All-Double Petunia, shades of pink and rosy mauve. $\frac{1}{2}$ tr. pkt., \$1.50; tr. pkt., \$2.50; $\frac{1}{128}$ oz., \$5.00; $\frac{1}{64}$ oz., \$9.00.

***Rose of Canada.** Fully double, bright medium rose flowers about 3 inches across are freely produced on compact, bushy plants. Here's your chance to grow all the spring pot plants you need of the most popular color in Double Petunias.

***Northern Lights.** A fairly light rose-pink—a few plants are a pleasing shade of light shrimp. Ideal bushy pot plant habit with 3-inch, fully double flowers.

Prices above 2, each: $\frac{1}{2}$ tr. pkt., \$1.80; tr. pkt., \$3.00; $\frac{1}{128}$ oz., \$6.50; $\frac{1}{64}$ oz., \$11.70.

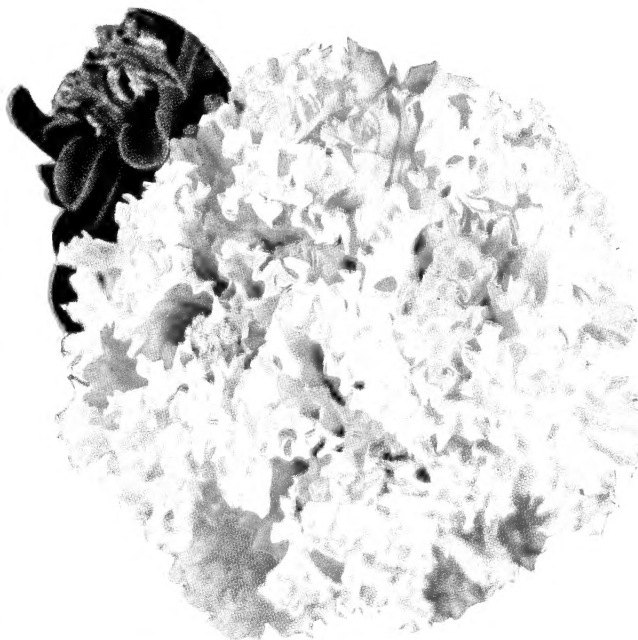
AMERICA

This Carnation-Flowered All-Double Petunia is of medium size, and freely produced. Its deep rose color gives it distinct value in combinations, pot plants or bedding. We find that it can be kept quite dwarf through severe pinching. This is important when growing it as a pot plant, and for this purpose it is ideal. $\frac{1}{2}$ tr. pkt., \$1.25; tr. pkt., \$2.00; $\frac{1}{64}$ oz., \$6.50; $\frac{1}{32}$ oz., \$11.70.

Petunias



Careful examination and accurate notes are made of hundreds of Petunia varieties tried out at Ball's each year. Pictured above are Carl Ball and Phil Jones evaluating last spring's All-Double Petunia trials.



Gaiety—best of the Victorious All-Doubles.

(Petunias average about 200,000 seeds per oz.)

PAN-AMERICAN ALL-DOUBLES

Caprice. Medium sized rose-pink flowers are carried on fairly dwarf plants.

***Sonata.** (Pictured lower right.) Extra large, fully double, pure white flowers. Not as compact in growth as some varieties; should be pinched to induce branching.

***Minuet.** Medium sized lavender. Tall; should be pinched.

***Nocturne.** Semi-double, deep Elk's Pride purple. The medium large flowers are borne on vigorous, but compact plants.

Prices above 4, each: $\frac{1}{2}$ tr. pkt., \$2.50; tr. pkt., \$4.00; $\frac{1}{128}$ oz., \$7.60; $\frac{1}{64}$ oz., \$14.45.

Glorious Mixture. Contains both tall and dwarf types in all the Pan-American colors. In transplanting, be sure to use both large and small seedlings, thus insuring a complete range of colors. $\frac{1}{2}$ tr. pkt., \$2.00; tr. pkt., \$3.50; $\frac{1}{128}$ oz., \$6.65; $\frac{1}{64}$ oz., \$12.60; $\frac{1}{32}$ oz., \$24.00.

VICTORIOUS ALL-DOUBLES

The following are the originator's descriptions:

Orange. Bright orange with some lighter colored. $\frac{1}{2}$ tr. pkt., \$2.25; tr. pkt., \$4.00; $\frac{1}{128}$ oz., \$8.50.

***Pink Perfection** (World Beauty). Deep rose color and uniformly dwarf growth.

***Gaiety.** Dwarf and compact with flowers blotched rose and white.

Snowball. Well fringed clear white flowers.

Blue Brocade. Elk's Pride purple.

Victorious Mixture. We blend this mixture ourselves from the above varieties. We do not handle the regular mixture grown as such.

Prices above 5, each: $\frac{1}{2}$ tr. pkt., \$2.00; tr. pkt., \$3.50; $\frac{1}{64}$ oz., \$11.00; $\frac{1}{32}$ oz., \$21.00.

* ALLEGRO

(Pictured in color on opposite page)

Medium to large, fully double flowers of clear, bright salmon are carried on fairly dwarf plants. A new and attractive color in the All-Doubles and the finest in its color class. $\frac{1}{2}$ tr. pkt., \$2.50; tr. pkt., \$4.00; $\frac{1}{128}$ oz., \$7.60; $\frac{1}{64}$ oz., \$14.45.



All-Double Sonata, finest pure white.

CALIFORNIA GIANT PETUNIAS

*BALL DWARF GIANT No. 1

(Pictured in color at left.)

Repeated pot plant trials in comparison with other leading strains have convinced us that this is the finest uniformly dwarf and large flowered Giant Petunia available. By actual count it produces over 80% extra large, open-throated flowers ranging in color from velvety crimson to delicate pink; and is at its very best in a 3- or 4-inch pot. However, since dwarfness can be had only at some cost in vigor, this strain is not recommended for bedding. $\frac{1}{2}$ tr. pkt., 75c; tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50; $\frac{1}{16}$ oz., \$8.00.

Garden Giants. (New.) These are real Giants in flower size, but between the tall and the dwarf classes in height. This gives them that added vigor for bedding that is missing in the Dwarf Giants, while they are without the overgrown, lanky habit of the taller California Giants. The color range is complete and attractive. $\frac{1}{2}$ tr. pkt., 60c; tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.

***Ball Dwarf Giant No. 2** (Ramona Strain). More vigorous in growth than our No. 1 strain, therefore better suited for outdoor bedding work. Not recommended for pot plants. $\frac{1}{2}$ tr. pkt., 60c; tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.50.

California Giants Mixture No. 5. A very complete and attractive mixture of colors in the tall Giant class. Free flowering for outdoor bedding. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

California Giants—Supreme Florists' Strain. Fine bedding mixture in soft shades of pink, rose and salmon. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75; $\frac{1}{16}$ oz., \$5.00.

***Giant Rainbow Strain.** Outstanding for its unusual range of brilliant colors which we have found in no other mixture. $\frac{1}{2}$ tr. pkt., 60c; tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.50.

SEPARATE COLOR VARIETIES

***Ball Lavender Giant.** A pleasing soft lavender with darker veins; dwarf growth. $\frac{1}{2}$ tr. pkt., 75c; tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.40; $\frac{1}{32}$ oz., \$4.40.

***Copper Red, Dark.** Attractive deep coppery crimson. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

***Glamour.** A beautiful rich salmon-rose, shading lighter toward the throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

***Irene.** Carmine-red; white netted throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50.

Prince of Wuertemberg. Deep reddish rose; dark throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

Princess of Wuertemberg. Light rose-pink; veined dark throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.



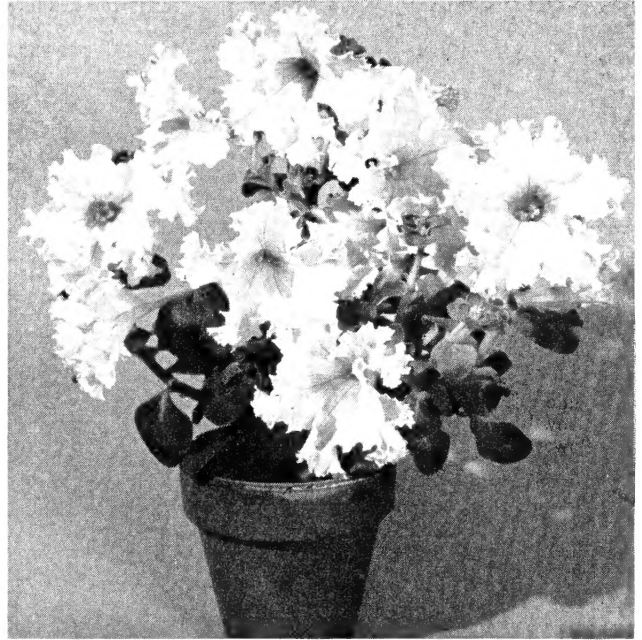
Resita—one of our finest new pot plant Petunias. See description on opposite page

GRANDIFLORA PETUNIAS

There are three distinct classes of Grandifloras: the Ruffled; the Fringed; and the Dwarf Fringed. Like all Petunias, the most vigorous are the tall ones. The Dwarf Fringed make ideal pot plants, but for bedding most of them do not hold up where summers are very warm.

RUFFLED GRANDIFLORAS

- ***White Queen.** Extra large, wavy, pure white flowers and dwarf, compact growth make this a truly outstanding Petunia. Fine for bedding or pot plant use. Tr. pkt., 75c; 1/64 oz., \$1.75; 1/32 oz., \$3.00; 1/16 oz., \$5.25.
- ***Snowstorm.** Fine large flowered white. Similar to White Queen. Tr. pkt., 75c; 1/64 oz., \$1.75; 1/32 oz., \$3.00; 1/16 oz., \$5.25.
- ***White Cloud.** Not quite as large flowered as the previous two varieties, but very free flowering. Tr. pkt., 75c; 1/64 oz., \$1.75; 1/32 oz., \$3.00; 1/16 oz., \$5.25.
- ***Elk's Pride Dwarf.** Our strain of this always-popular rich velvety purple variety is admirably suited for bedding or porch boxes. Uniform in growth and a ready seller. Tr. pkt., 50c; 1/64 oz., \$1.50; 1/32 oz., \$2.50; 1/16 oz., \$4.50.
- Royalty.** Large ruffled flowers in varying combinations of purple and white. Tr. pkt., 50c; 1/64 oz., \$1.50; 1/32 oz., \$2.75.
- ***Giant Flaming Velvet.** Large, ruffled, mahogany-red flowers and fairly compact growth make this an attractive variety. Tr. pkt., 50c; 1/64 oz., \$1.40; 1/32 oz., \$2.50.
- Burgundy.** Dark Burgundy wine-red with large white throat. Well ruffled. Tr. pkt., 50c; 1/64 oz., \$1.00; 1/32 oz., \$1.75.
- Dwarf Pink Glory.** Glowing carmine-rose with white throat. About 60% large flowered. Tr. pkt., 50c; 1/64 oz., \$1.25; 1/32 oz., \$2.25.
- ***Ruffled Grandiflora Mixture.** Formula mixture of the finest varieties in the Ruffled class. Tr. pkt., 50c; 1/64 oz., \$1.00; 1/32 oz., \$1.75; 1/16 oz., \$3.00.



Fringed Snowstorm is one of our most valuable Petunias. Besides making a first class pot plant as pictured, it's an excellent white for bedding.

FRINGED GRANDIFLORAS

- White Mound.** Of uniform, rather compact growth—bushy and vigorous. The medium sized, pure white, fringed flowers are produced in great profusion. Tr. pkt., 75c; 1/64 oz., \$1.75; 1/32 oz., \$3.00.
- ***Dazzler.** Free flowering deep carmine-rose; fairly well fringed and very showy. This is a fine pot plant variety. 1/2 tr. pkt., 75c; tr. pkt., \$1.25; 1/64 oz., \$2.20; 1/32 oz., \$4.00.
- Dainty Lady.** A light cream. The nearest approach to a yellow Petunia. Tr. pkt., 50c; 1/64 oz., \$1.50.
- ***Golden Jubilee.** Heavily fringed, bright carmine-rose with golden throat. An excellent variety for pot plants. Tr. pkt., 50c; 1/64 oz., \$1.65; 1/32 oz., \$3.00.
- Light Blue.** (New.) Campanula-blue, with darker veins and purple throat. Nicely fringed. Tr. pkt., 50c; 1/64 oz., \$1.00; 1/32 oz., \$1.85.

***Rosita.** (New—see color photo opposite page.) Large, heavily ruffled and fringed flowers of bright, creamy rose with netted throats are carried erectly on compact plants. This was one of the most outstanding pot plant Petunias in our last season's greenhouse trials. Tr. pkt., 75c; 1/64 oz., \$1.75; 1/32 oz., \$3.00.

- ***Fringed Snowstorm.** (Pictured above.) Nicely fringed pure white flowers with faint gold throat are very freely produced. One of the finest for either pots or bedding. 1/2 tr. pkt., 65c; tr. pkt., \$1.00; 1/64 oz., \$2.35; 1/32 oz., \$3.75; 1/16 oz., \$6.75.
- ***Pink Triumph.** Choice clear rose-pink, golden throated. Fine bedder. Tr. pkt., 50c; 1/64 oz., \$1.35; 1/32 oz., \$2.50.
- ***Royal Purple.** Velvety purple with attractively fringed petals. Tr. pkt., 50c; 1/64 oz., \$1.50; 1/32 oz., \$2.75.
- ***Theodosia Improved** (Josephine). Extra large, heavily fringed flowers of brilliant glowing rose with contrasting golden yellow throat. An excellent, vigorous growing Petunia for bedding. Tr. pkt., 50c; 1/64 oz., \$1.35; 1/32 oz., \$2.50.
- White Beauty.** A strong grower with flowers of finely fringed pure white. Tr. pkt., 50c; 1/64 oz., \$1.00; 1/32 oz., \$1.85.
- Fluffy Ruffles.** An attractive fringed mixture for bedding work. Tr. pkt., 50c; 1/32 oz., \$1.50; 1/16 oz., \$4.75.
- ***Fringed Grandiflora Mixture.** A high-class mixture made up of the best named varieties in the Fringed class. Tr. pkt., 50c; 1/32 oz., \$1.65; 1/16 oz., \$3.00.

DWARF FRINGED (Dwarf Erfurts)

- ***Carmencita.** The medium sized, well fringed flowers are a bright salmon-red and are borne on dwarf, compact plants. 1/2 tr. pkt., 60c; tr. pkt., \$1.00; 1/128 oz., \$1.75; 1/64 oz., \$3.00; 1/32 oz., \$5.40.
 - ***Setting Sun.** Heavily fringed, beautiful deep rose. One of the most popular Dwarf Erfurts.
 - ***Lace Veil.** Almost identical to Setting Sun except for its pure white flowers.
 - ***Ball Fringed Violet-Blue.** After three years of careful reselection in our own greenhouses, we again offer this wanted variety. Well fringed flowers of deep violet-blue are borne on compact, bushy plants.
 - ***Dwarf Erfurt Mixture.** A formula mixture of Dwarf Fringed varieties.
- Prices above 4, each: tr. pkt., 50c; 1/64 oz., \$1.50; 1/32 oz., \$2.75.

NEW PAN-AMERICAN F₁ HYBRIDS

(Produced by crossing separate pure lines.)

- ***Tango.** The semi-fringed flowers are a clear salmon-red—a shade lighter, but larger than Carmencita. Because of its hybrid vigor, this new Petunia is far showier than Carmencita when used for bedding; yet is sufficiently dwarf to make a good pot plant. We've flowered this variety on three separate occasions and are well impressed with it.
 - ***Bolero.** An extra compact, early and free flowering new Petunia. Its well fringed deep rose flowers are about the color of Setting Sun, but the plants are more uniform in habit, of greater vigor and bloom much more freely. Makes a first class pot plant and its hybrid nature gives it value for bedding.
- Prices above 2, each: 1/2 tr. pkt., \$1.50; tr. pkt., \$2.50; 1/128 oz., \$5.00; 1/64 oz., \$9.00.

DWARF HYBRIDA PETUNIAS

The Dwarf Hybridas are the most widely used class for bedding because of their free flowering and compact habit. Also largely used by growers of flatted stock. In fact, they are valuable for any purpose that calls for compactness and profusion of flowers.

BALL TEN BEST

These fine varieties constitute three-fourths of our demand for Dwarf Hybrida Petunias.

GOLD MEDAL WINNER—1950

***Fire Chief.** (Pictured in color on page 1.) Winner of the first Gold Medal ever awarded in 11 years of competitive All-America Trials. Newly opened flowers are a true scarlet-red, turning to deep salmon-rose with age. In our past season's trials this new Petunia held its color well even under bright midsummer sun and high temperatures. Growth is compact but erect, and the plants are quite free flowering. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.25; $\frac{1}{16}$ oz., \$2.25; $\frac{1}{8}$ oz., \$3.50.

***Admiral.** Our finest blue Petunia. Large, attractively ruffled flowers with little violet shading—almost clear blue. Ideal for either pots or bedding. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75; $\frac{1}{16}$ oz., \$5.00; $\frac{1}{8}$ oz., \$9.00.

***Bright Eyes.** Uniformly dwarf and even in growth. The plants produce masses of fairly small rose-pink flowers with white throats. A definite improvement over the old Rosy Morn. Tr. pkt., 35c; $\frac{1}{8}$ oz., \$1.10; $\frac{1}{4}$ oz., \$2.00; 1 oz., \$6.00.

***Celestial Rose Improved.** Deeper rose coloring and slightly larger flowers than the original Celestial Rose. Unexcelled for pot plant work or bedding. This is the most popular Petunia in existence. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$6.00.

***Cheerful.** Medium large flowers of clear salmon, veined deeper toward throat, are freely produced on uniform, fairly dwarf plants. This shade is becoming increasingly well liked by Petunia buyers. Tr. pkt., 50c; $\frac{1}{16}$ oz., 90c; $\frac{1}{8}$ oz., \$1.65; $\frac{1}{4}$ oz., \$3.00.

***Fair Lady.** A fine, large flowered silvery pink; lighter and softer in tone than Celestial Rose. Ideally suited for pot plant use and a fine color under spring greenhouse conditions. Tr. pkt., 35c; $\frac{1}{16}$ oz., \$1.25; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.75; 1 oz., \$13.50.

***Heavenly Blue.** An old favorite, and rightly so. Still the best silvery blue in this class. Resembles Celestial Rose in habit of growth. Tr. Pkt., 35c; $\frac{1}{8}$ oz., 90c; $\frac{1}{4}$ oz., \$1.50; 1 oz., \$5.00.

***Snow Queen.** Our finest pure white bedding Petunia. Its strong spreading growth and free flowering habit have made it a favorite wherever grown. Tr. pkt., 35c; $\frac{1}{4}$ oz., \$1.25; 1 oz., \$3.75.

***Topaz Queen.** A remarkable color combination of glowing carmine-rose with distinct orange-scarlet overtone. Medium large flowered and striking whether used for bedding or in pots. Tr. pkt., 35c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$6.00.

***Velvet Ball.** Dark red; almost identical to King Henry in color but more spreading in growth and better adapted for bedding use. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.35; $\frac{1}{16}$ oz., \$2.50; $\frac{1}{8}$ oz., \$4.50; $\frac{1}{4}$ oz., \$8.25.

***Ten Best Formula Mixture.** We mix this ourselves, blending the ten best varieties in proportion to their popularity. Fine for spring flat sales. Tr. pkt., 35c; $\frac{1}{16}$ oz., 90c; $\frac{1}{8}$ oz., \$1.65; $\frac{1}{4}$ oz., \$3.00; 1 oz., \$10.00.

Dwarf Hybridas continued on opposite page.

RED, WHITE and BLUE

Because these colors are so frequently called for in bedding work, and in response to numerous requests, we have selected the following Petunias (described in our 10 Best list—this page) as ideal for this purpose. Growth habits of all three are similar and the colors closely approach those of our country's flag.

Fire Chief	Snow Queen	Admiral
Red, White and Blue Mixture of the above three varieties.		
Prices (Mixture only): tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.25; $\frac{1}{16}$ oz., \$2.25; $\frac{1}{8}$ oz., \$3.50.		

SPECIAL OFFER

For growers who are interested in trying all the 10 Best varieties listed on this page separately rather than in mixture, we offer a tr. pkt. of each for \$3.50. This represents a saving of \$1.00 over the regular catalog price.

TALL HYBRIDAS

Taller and stronger growers than the Dwarf class. Well suited for bedding, especially where heat and drought prevail.

***General Dodds.** Deep amaranth-red. Tr. pkt., 25c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.75.

***Howards Star Imp.** Medium tall, velvety crimson with large white star in each flower. Our strain comes quite true to the starred type. Tr. pkt., 35c; $\frac{1}{4}$ oz., 90c; 1 oz., \$3.25.

***Mars.** Rich velvety red, similar to Balcony Black Prince. Tr. pkt., 35c; $\frac{1}{4}$ oz., 90c; 1 oz., \$3.25.

***Rose King Improved.** Fairly deep, clear rose-pink with light golden throat. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.25.

***Topaz Rose.** Brilliant deep carmine-rose; about same color as Topaz Queen. Tr. pkt., 35c; $\frac{1}{4}$ oz., 85c; 1 oz., \$3.00.

***White.** Tr. pkt., 25c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.75.

***Exquisite Mixture.** Formula mixture; finer large-flowered varieties predominating. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.25.

THE BALCONIES

The growth of Balconies is strong and tends to lengthen, making them suitable for window boxes, combinations, or bedding.

***Black Prince.** Rich velvety crimson-red. Tr. pkt., 35c; $\frac{1}{16}$ oz., 60c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.85; 1 oz., \$6.75.

***Blue.** A medium violet-blue. Tr. pkt., 35c; $\frac{1}{8}$ oz., 90c; $\frac{1}{4}$ oz., \$1.65; 1 oz., \$5.00.

White	Crimson	Rose	Mixture
Prices above 4, each: tr. pkt., 35c; $\frac{1}{8}$ oz., 75c; $\frac{1}{4}$ oz., \$1.35; 1 oz., \$4.75.			

DIENER'S VARIETIES

We supply originator's packets only on the following:

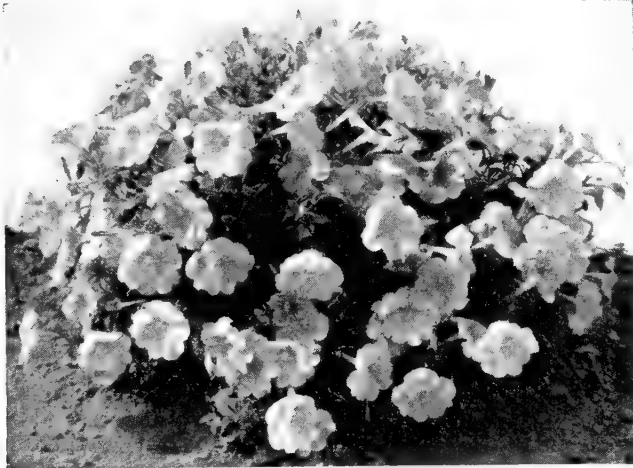
No. 8 Ruffled Monsters Mixed. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$2.50.

No. 11 Blue. Violet-blue. Tr. pkt., 25c; $\frac{1}{64}$ oz., \$1.50.

No. 45 Santa Barbara. Clear rose. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$2.50.

No. 47 Jumbo Mixture. A mixture of Giants. Tr. pkt., \$1.00.

DWARF HYBRIDAS—GENERAL LIST



Celestial Rose Improved is one of our finest dwarf bedding Petunias.

NEW! F₁ HYBRID BEDDING PETUNIA

***Rose Charm.** Picture a Dwarf Hybrid Petunia with the rich bright rose coloring of Topaz Queen, 2- to 2½-inch flowers produced in such profusion as to almost cover the plant, and so vigorous in growth that each plant reaches a spread of over 2 feet—then you'll have some idea of the new F₁ Hybrid Rose Charm. Habit is very uniform, and fully grown plants do not have the "floppy" appearance of most bedding Petunias. We cannot recommend this new variety too strongly. Plant for bedding use only—not suited for pot plants. ½ tr. pkt., \$1.25; tr. pkt., \$2.00; ¼ oz., \$6.50; ⅓ oz., \$11.70.

***Admiral.** See 10 Best, opposite page.

Alderman. Fairly uniform growth with medium small lavender-blue flowers. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

Blue Bird. Similar to Alderman; growth a bit more vigorous. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

***Blue Bedder.** Extra vigorous growth with medium large flowers having less lavender shading and more blue than the above two. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

***Bright Eyes.** See 10 Best, opposite page.

***Celestial Rose.** (Regular strain.) Bright rose with an ideal bushy habit. Tr. pkt., 35c; ⅓ oz., 75c; ¼ oz., \$1.25; 1 oz., \$4.50.

***Celestial Rose Imp.** See 10 Best, opposite page.

***Cheerful.** See 10 Best, opposite page.

Cream Star. Bluntly star-shaped, creamy white. Tr. pkt., 50c; ⅓ oz., \$1.15; ¼ oz., \$2.00.

***Elk's Star.** Deep velvety crimson with white star. Quite true to type and strikingly attractive for bedding, pots or combinations. Tr. pkt., 50c; ⅓ oz., 90c; ⅓ oz., \$1.65; ¼ oz., \$3.00.

***English Violet.** A pleasing shade of rosy violet-mauve. Habit similar to Celestial Rose. Tr. pkt., 50c; ⅓ oz., \$1.15; ¼ oz., \$2.00; 1 oz., \$6.00.

***Fair Lady.** See 10 Best, opposite page.

***Fire Chief.** (New.) See 10 Best, opposite page.

***Glow.** A flashing carmine-scarlet; makes a brilliant display for mass plantings. Tr. pkt., 35c; ⅓ oz., \$1.25; ⅓ oz., \$2.00; ¼ oz., \$3.75; 1 oz., \$13.50.

***Heavenly Blue.** See 10 Best, opposite page.

***Igloo.** Makes a perfectly rounded mound of medium sized, pure white flowers with faint yellowing in the throat. Tr. pkt., 50c; ⅓ oz., \$1.15; ¼ oz., \$2.00; 1 oz., \$6.00.

***King Henry.** Deep velvety crimson or mahogany-red. Compact growth makes this a choice pot plant variety. Tr. pkt., 50c; ⅓ oz., \$1.25; ⅓ oz., \$2.35; ⅓ oz., \$4.25; ¼ oz., \$8.00.

Norma. Lavender with white star; dwarf and compact. Tr. pkt., 35c; ⅓ oz., \$1.25; ¼ oz., \$2.25.

***Peach Red.** Free flowering, rich salmon-rose. An appealing color that sells readily. Tr. pkt., 50c; ⅓ oz., 90c; ⅓ oz., \$1.65; ¼ oz., \$3.00.

Rose of Heaven. Well known rose-pink for bedding. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

***Rose Queen Improved.** A rich deep rose about the shade of Topaz Queen; uniformly dwarf and compact, but not weak. Tr. pkt., 50c; ⅓ oz., \$1.00; ¼ oz., \$1.75.

Rosy Morn. Popular rose-pink with large white throat. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.75.

Salmon Supreme. Clear salmon-pink flowers make an attractive display. Tr. pkt., 50c; ⅓ oz., \$1.50; ⅓ oz., \$2.75.

***Snow Queen.** See 10 Best, opposite page.

Snow White. Strong growing plants with creamy white flowers freely produced. Uniform and true to type. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

***Topaz Queen.** See 10 Best, opposite page.

***Twinkles.** Very showy, rose-pink with white star. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

***Velvet Ball.** See 10 Best, opposite page.

***White Perfection.** An excellent, compact, pure white. A little dwarf for mass bedding, but fine for borders or pots. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

Viola cea. Fairly dwarf deep purple. Tr. pkt., 35c; ¼ oz., \$1.25.

Violet Blue. GEM TYPE. Deep violet-purple. Growth rather weak for bedding, but fine for pot plants or combination boxes. Tr. pkt., 35c; ⅓ oz., 70c; ¼ oz., \$1.30; 1 oz., \$4.75.

***Dwarf Hybrid Formula Mixture.** A formula blend of the above varieties; not a field-grown mixture. Complete and attractive. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.50.

Dwarf Hybrid Starred Mixture. Nice mixture of starred types such as Twinkles, Norma, etc. Well balanced assortment of colors. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

DWARF HYBRIDA RUFFLED TYPE

***Little Giants Mixed.** Small, ruffled California Giant type flowers about 2 in. across are freely produced on low growing, uniform plants that are ideal for combination work as well as bedding. Colors range from amaranth-red through rose and pink to white. Tr. pkt., 75c; ⅓ oz., \$1.40; ⅓ oz., \$2.50; ⅓ oz., \$4.50.

Martha Washington. Ruffled blush pink flowers with attractive veined throat. Tr. pkt., 50c; ⅓ oz., \$1.15; ⅓ oz., \$2.00.

Profitable Marigolds

(10,000 seeds per oz.)

The improvement in Marigolds has added greatly to their value, especially for the retail grower. Many classes, such as the Giant All-Double Orange and Lemon, ship well and are valuable for cutting when grown either indoors or out. Also some are odorless. A January or February sowing of the All-Doubles, spaced out about 4 x 5 inches, will get into full flower April and May. Some disbudding might be necessary. But the most valuable are probably the Dwarf French. A September sowing should, in a minimum of 50°, flower in 2-inch bands for Christmas. And what is more valuable for combinations? Sown in February-March, they become equally or more attractive combination material for Easter and Mother's Day. While Marigolds stand still more or less in a 45° minimum, they do not call for a high temperature.

FIVE BEST FOR CUTTING

The following five varieties are the most popular cut flower kinds on our list and under average conditions we believe they represent the most profitable sorts to grow for this purpose.

***Ball Giant Orange.** Similar in type to All-Double Orange but somewhat larger flowered and of a more uniform deep, bright orange color. This, in our opinion, is the most profitable cut flower variety on the list. Tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00.

***All-Double Orange.** This belongs to the *Fistulosa* or large flowered, solid quilled-petal type. Produces nearly 100% double flowers, being preferred to Prince of Orange on this account. An excellent, long-stemmed cut flower strain.

***All-Double Lemon.** Identical to the above strain, but a clear lemon-yellow.

***Gold Improved.** The popular Carnation-flowered intense orange with odorless foliage. Excellent for greenhouse forcing.

***Yellow Supreme.** Similar to Gold Improved but with flowers a rich creamy yellow. Odorless foliage.

Five Best Cutting Mixture. Our own carefully compounded formula mixture of the above varieties balanced according to their commercial value.

Prices on above except Ball Giant Orange, each: tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60; 4 ozs., \$5.50.

ODORLESS MARIGOLDS

For those who dislike the pungent odor of Marigold foliage these varieties will be found valuable. The following four are described elsewhere on this page:

***Golden Supreme**
Crown of Gold

***Gold Improved**
***Yellow Supreme**

***Odorless Carnation-Flowered Mixture.** Ranges in color from deep orange to light yellow. All are of the popular Carnation-flowered type. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50; 4 ozs., \$5.00.

Golden Trumpet. (New.) 2½- to 3-inch flowers of pure yellow are distinguished by the outer petals being bell-shaped and standing out individually. The center is tightly crested. This unusual Marigold makes a good cut flower. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.40.



Marigold—Ball Giant Orange.

Other Cut Flower Varieties

***All-Double Mixture.** A mixture of All-Double Orange and Lemon, with some intermediate shades. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60; 4 ozs., \$5.50.

Prince of Orange Improved. Bright orange of true quilled-petalled *Fistulosa* type. Produces 60% to 70% fully double, balance semi-double and single. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Lemon Queen Improved. Same as above but a bright lemon-yellow. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

***Golden Supreme.** (New.) A bright golden yellow Carnation-flowered Marigold midway in color between Gold Improved and Yellow Supreme. Odorless. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60; 4 ozs., \$5.50.

***Guinea Gold.** A Carnation-flowered golden orange; long-stemmed. Freely produces loosely petalled 3-inch flowers. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60; 4 ozs., \$5.50.

***Sunset Giants.** An extra large Carnation-flowered strain. Long-stemmed and the largest flowered variety we know of. Ranges from lemon to deep orange and is around 65% to 75% true to type. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$5.50.

Orange Sunset. A bright orange selection from Sunset Giants. A first class variety. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Crown of Gold. Small golden yellow crested flowers; odorless. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.25.

WINTER FLOWERING. This class is for winter flowering from a fall sowing and will not flower during summer.

Australian Tree. Golden yellow crest with mahogany guard petals. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.20.

Lieb's Brown and Gold. Similar to above.

Lieb's Winter Sunshine. Solid golden yellow.

Prices above 2, each: tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

Winter Harmony. Bright orange crest with reddish guard petals. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.20.

MARIGOLDS—Continued

CHRYSANTHEMUM-FLOWERED TYPES

- ***Happiness.** Early, and blooms very profusely with 2½ in. Mum type flowers of rich golden yellow produced throughout the summer. The bushy growth makes a fine bedding show. Height 16 to 18 in. Tr. pkt., **35c**; ¼ oz., **65c**; 1 oz., **\$2.00**.
- Mammoth Mum.** The largest of the Chrysanthemum-flowered Marigolds. Light sulphur-yellow. Tr. pkt., **35c**; ¼ oz., **80c**; 1 oz., **\$2.40**.
- ***Limelight.** Primrose-yellow Chrysanthemum-like flowers, 2 inches across, are freely produced on 20-inch plants. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**.

MISSION GIANTS

- Produces almost perfect ball-shaped Chrysanthemum-like blooms about 3 inches in diameter. Exceptionally vigorous and free branching in growth and well suited for either spring greenhouse or outdoor culture.
- ***Goldsmith.** A very attractive light golden orange in this popular class. Tr. pkt., **30c**; ¼ oz., **60c**; 1 oz., **\$2.00**.
 - ***Yellowstone.** Same as above but a pleasing clear yellow. Tr. pkt., **30c**; ¼ oz., **60c**; 1 oz., **\$2.00**.
 - Mission Giant Mixed.** A well-balanced mixture in this new type; ranges from deep orange to light yellow. Tr. pkt., **25c**; ¼ oz., **45c**; 1 oz., **\$1.70**.

DWARF BEDDING MARIGOLDS

(9000 seeds per oz.)

OUR SIX BEST

- ***Spry.** Extra dwarf and free flowering. Medium small Anemone type flowers with golden crest and contrasting dark red guard petals. Exceptionally attractive.
 - ***Ball Dwarf Harmony.** The medium small Anemone type flowers of this fine dwarf variety present a striking contrast in bright orange and velvety maroon.
 - ***Butterball.** A very choice, fairly dwarf, Anemone-flowered variety. Crest and guard petals a light golden or butter-yellow faintly tipped with maroon.
 - ***Sunkist.** Uniformly dwarf and compact with solid, deep golden orange Anemone type flowers about an inch in diameter.
 - ***Yellow Pygmy.** Excellent, very free flowering dwarf Marigold, 6 to 8 in. Double lemon-yellow and practically 100% true.
 - ***Scarlet Glow.** Bright bronzy red, double flowers 1½ to 2 inches across are borne on dwarf plants.
- 6 Best Dwarf Mixed.** Our own carefully balanced mixture of the above varieties.
- Prices above 7, each: tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**; 4 ozs., **\$5.50**.

Other Fine Bedding Varieties

- ***Naughty Marietta.** Semi-dwarf, bushy plants with finely netted leaves. Freely produces 2-inch, single, golden yellow flowers, each with an attractive dark red eye. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**; 4 ozs., **\$5.50**.
- ***Gnome (Little Giant Improved).** Ball-shaped plants with fern-like foliage. Plants are covered with small, bright yellow, orange-eyed flowers. Tr. pkt., **20c**; ¼ oz., **35c**; 1 oz., **\$1.25**.

- ***Gold Crest.** Similar to Butterball, except for slightly darker golden yellow flowers. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**; 4 ozs., **\$5.50**.
- ***Cupid.** Dwarf in habit with 2-inch primrose-yellow Chrysanthemum-like flowers. A fine variety for edging or borders. Odorless foliage. Tr. pkt., **35c**; ½ oz., **65c**; ¼ oz., **\$1.20**; 1 oz., **\$3.60**.
- Red Head.** A fairly dwarf Anemone-flowered variety with orange crest, tipped maroon, and copper-red to mahogany guard petals. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**; 4 ozs., **\$5.50**.
- Melody.** A solid clear golden orange Anemone-flowered type. Tr. pkt., **25c**; ¼ oz., **45c**; 1 oz., **\$1.50**.
- ***Harmony.** Attractive Anemone type flowers with orange crest and maroon guard petals. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**; 4 ozs., **\$3.00**.
- Golden Harmony.** Very similar to Harmony in flower type and habit but a solid bright golden yellow. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**; 4 ozs., **\$5.50**.

- Harmony Hybrids.** A mixture of colors in this dwarf double type. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**; 4 ozs., **\$3.00**.
- Monarch Mixed.** A bright mixture of orange, yellow and mahogany colors in the fully double, rounded flower class. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **90c**; 4 ozs., **\$2.90**.
- ***Primrose (Improved Pallida).** Dwarf plants with fully double flowers an inch in diameter. Color is a rich golden yellow. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**; 4 ozs., **\$5.50**.
- Royal Scot.** Showy, fully double flowers striped gold and mahogany. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**.
- Robert Beist.** Dwarf double, deep rich mahogany-red. Nice. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **75c**.
- ***Dwarf French Double Mixed.** An extremely gay and colorful mixture of dwarf double sorts. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**; 4 ozs., **\$3.00**; 1 lb., **\$10.00**.
- ***Firecross.** Dwarf single. An attractive orange with mahogany center. Tr. pkt., **15c**; 1 oz., **65c**; 4 ozs., **\$2.00**.
- Legion of Honor.** Very similar to Firecross, but lighter in color. Tr. pkt., **15c**; 1 oz., **65c**; 4 ozs., **\$2.00**.
- ***Flash.** Single mahogany flowers with golden yellow margins are freely produced on medium dwarf plants. Tr. pkt., **35c**; ¼ oz., **60c**; 1 oz., **\$1.80**.
- ***Sunny.** (New.) Similar to Flash, but with single, clear yellow flowers. Tr. pkt., **35c**; ¼ oz., **\$1.10**; 1 oz., **\$3.30**.



Marigold Ball Dwarf Harmony—colorful and fine.

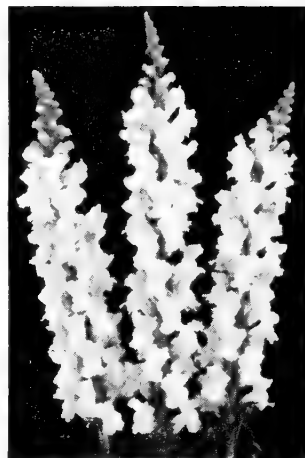
Forcing Snapdragons

If a sowing is made in December or January, and the seedlings are spaced 4 by 5 inches for growing one flower to a plant, excellent results should be had. They will be earlier because all of the plant's energy will be concentrated in that one growth. Also the time lost in pinching will be gained. Just how much time will be gained we do not know from experience. We should guess 3 to 4 weeks, and that would be substantial. Some eastern growers are using this plan, reporting a worth-while saving. We are this season giving it a trial. The retail grower who uses second grade flowers to better advantage than does the market grower, may not be so much interested. But the more uniform quality the wholesale grower gets, the better.

We are inclined to believe that the stronger Hybrids, with their distinct tendency to be earlier, are particularly well adapted to this new growing method. However, we believe that a strong growing Hybrid, and most of them are just that, pinched and carrying two to three breaks, will average nearly as good a grade of flowers as will open pollinated kinds grown one to a plant. But most of the open pollinated strains of today are excellent and improving, as the result of much annual single plant selection work.

PLEASE NOTE

1/2 tr. pkts. of any variety priced at \$1.00 are supplied at 60c; 1/2 pkts. of \$1.50 varieties, \$1.00. No 1/2 pkts. on \$2.00 or \$3.00 varieties EXCEPT WHERE NOTED.



Ball Yellow Hybrid No. 1.

BALL 15 BEST

YELLOW

- ***Ball Yellow Hybrid No. 1.** Today's finest golden yellow Snapdragon. 1/2 tr. pkt., \$1.75; tr. pkt., \$3.00.
- ***Ethel.** The most satisfactory self-pollinated yellow; extra clean and uniform. Tr. pkt., \$1.50.

WHITE

- ***Margaret.** Clean growing creamy white. Very popular because of its heavy production record. Tr. pkt., \$2.00.
- ***White Wonder Imp.** One of the best pure whites for late winter and spring. Tr. pkt., \$1.50.

PINK

- ***Dorcas Jane.** (Burkey.) HYBRID. Long spikes of silvery pink. 1/2 tr. pkt., \$1.50; tr. pkt., \$2.50.
- ***Mary Ellen.** (Yoder.) HYBRID. Clear light pink. Sold out until June 15th. 1/2 tr. pkt., \$1.50; tr. pkt., \$2.50.
- ***Maryland Pink.** (Winkler.) HYBRID. Soft, creamy pink; productive. 1/2 tr. pkt., \$1.75; tr. pkt., \$3.00.

MEDIUM PINK and ROSE

- ***Better Times.** (Windmill.) HYBRID. Bright cerise-rose; compact spikes. 1/2 tr. pkt., \$1.25; tr. pkt., \$2.00.
- ***Cheviot Maid No. 33.** (Yoder.) Beautiful medium rose-pink; clean growing and productive. Tr. pkt., \$1.50.
- ***Christmas Cheer.** (Windmill.) HYBRID. Productive, bright rose-pink. 1/2 tr. pkt., \$1.75; tr. pkt., \$3.00.
- ***Delworth's Supreme.** Long, strong stems and fine spikes of deep rose-pink. Tr. pkt., \$1.50.
- ***Peggy Schumann.** Popular creamy rose. Tr. pkt., \$2.00.

MISCELLANEOUS

- ***Ball Red Hybrid No. 7.** Long stems and spikes of bright crimson-red. 1/2 tr. pkt., \$1.75; tr. pkt., \$3.00.
- ***Ball Lavender.** Long-stemmed and strong growing with long, heavy spikes of pleasing orchid-lavender. Tr. pkt., \$1.50.
- ***Lady Dorothy.** A rich reddish orange; the finest in this color so far. 1/2 tr. pkt., \$1.75; tr. pkt., \$3.00.

GENERAL LIST

MEDIUM PINK and ROSE

- | | |
|---|----------|
| | Tr. pkt. |
| * America. Very attractive rose and orange bi-color | \$1.50 |
| Ball Early Pink. Early flowering rose-pink | 1.00 |
| * Ball Pink Hybrid No. 2. (New—sent out experimentally as No. 15.) | |
| Excellent, medium pink. 1/2 tr. pkt., \$1.75 | 3.00 |
| * Charm. (Hodaly's.) Extra large, deep rose | 2.50 |
| * Cheviot Maid Reselected. Popular rose-pink | 1.00 |
| * Early Cincinnati. Early flowering medium rose | 1.00 |
| * Gilbert's Pink. Deep rose-pink | 1.50 |
| * Maxine. (Smith.) HYBRID. Rose-pink; 1/2 tr. pkt., \$1.75 | 3.00 |
| * New Cincinnati. Medium rose-pink; long spikes | 1.00 |
| * Rockwood Pink Supreme. Fairly deep, bright rose-pink | 2.00 |
| * Rose Queen. Standard deep rose for spring | 1.00 |
| Tetraploid Rose. Extra large, deep cerise-rose | 1.50 |

PINK

- | | |
|---|------|
| Christina. (Yoder.) HYBRID. Sold out until June 15th | 3.00 |
| Daybreak. Clear light pink | 1.00 |
| La France. Light pink | 1.50 |
| Maiden's Blush Imp. Pale pink. 1/2 tr. pkt., 85c | 1.50 |
| * Marie Louise. Beautiful light shell-pink | 2.00 |
| * St. Louis Pink. Excellent light pink for spring | 1.50 |

YELLOW

- | | |
|--|------|
| Carol Jean. Light creamy yellow | 2.00 |
| Ceylon Court. Standard yellow | 1.00 |
| Coates' Yellow Perfection. Spring flowering yellow | 1.00 |
| * Goldrush. (Winkler.) HYBRID. Large flowered, medium yellow; good producer. 1/2 tr. pkt., \$1.75 | 3.00 |
| Junglewood Lemon. Light yellow. 1/2 tr. pkt., \$1.25 | 2.00 |
| * Junglewood Yellow. Clean growing. 1/2 tr. pkt., \$1.25 | 2.00 |
| * Klondike Supreme. Vigorous growing deep yellow | 1.00 |
| Thomson's Yellow Imp. Early flowering deep yellow | 2.00 |
| Yellow Peggy Schumann | 2.00 |
| Yellow Wonder Improved. Extra early yellow | 1.50 |

WHITE

- | | |
|---|-----------------|
| Ball Dwarf White. Nice dwarf white for pots | Tr. pkt. \$1.00 |
| Feist's White. Creamy white with yellow lip | 2.00 |
| * Junglewood White. Late white. 1/2 tr. pkt., \$1.25 | 2.00 |
| Koester's White. Early flowering pure white | 1.50 |
| * Lucky Strike Imp. Long-stemmed, ivory-white | 1.50 |
| Madeline. Late flowering, pure white | 2.00 |
| Marion. Popular spring flowering white | 1.50 |
| * Peace. (Ball.) An excellent pure white for spring | 1.50 |
| * Schoffroth's White. Long-stemmed, creamy white | 1.50 |
| Snowdrift. Double flowering white. Should be grown for spring only. 1/2 tr. pkt., \$1.75 | 3.00 |
| Snow White. Fine white; many flowers duplexed | 1.50 |
| * Westover's Fringed White. Large ruffled white | 1.00 |
| Westover's Fringed White Early | 1.50 |

BRONZE

- | | |
|--|------|
| * Afterglow. Standard orange-bronze | 1.00 |
| Bronze Christmas Cheer. 1/2 tr. pkt., \$1.25 | 2.00 |
| * Glorious. Bright reddish bronze for spring | 1.50 |
| Ideal Imp. (Hodaly's.) Blend of rose, orange and yellow | 1.50 |
| Kirkwood Beauty. Orange bronze | 1.00 |
| * Miss Wooster. Spring flowering, golden orange | 1.00 |
| Sunlite. Early bronze. We prefer Lady Dorothy | 1.00 |
| Talisman Imp. Double and semi-double golden bronze | 2.00 |

LAVENDER

- | | |
|---|------|
| Bertha Baur. Prefer Ball Lavender | 1.50 |
| Schumann's Lavender. Popular spring variety | 2.00 |
| * Windmill's Lilac. Long-stemmed, rosy lilac | 2.00 |

RED

- | | |
|---|------|
| Red Lips. Bright wine-red with gold lip and white tube | 2.00 |
| Sisler's Red. Glowing wine-red; true to color | 2.00 |

MIXTURES

- | | |
|---|------|
| * Ball Forcing Mixture of our best varieties | 1.00 |
| Standard Early Mixed. All varieties | .75 |

Forcing Snapdragons

BALL HYBRIDS

*BALL YELLOW HYBRID No. 1

We believe this is the finest golden yellow Snap available. You'll like it for its long, strong stems, outstanding deep gold color, and heavy production. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.

*BALL RED HYBRID No. 7

Has the same rich scarlet-crimson color of the old Velvet Supreme, but with vastly superior flower spike and stem length. Fine for either Christmas or spring flowering. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.

*BALL PINK HYBRID No. 2 (New)

This free flowering, medium pink was distributed experimentally last season as No. 15. So favorable were reports that we are offering it this winter, subject to the outcome of a special late fall seed crop, yield of which could not be determined when this catalog went to press. Because of its wanted color and heavy production, we believe this new Hybrid has a great future. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.

Outdoor Snapdragons

(175,000 seeds per oz.)

An early February sowing of the longer stemmed varieties will produce a good crop of cut flowers early summer outdoors—and don't overlook the Nanum class for bedding; Gloria is an especially choice variety.

BALL TEN BEST (Rust Resistant)

- ***Alaska.** (Maximum.) The best long-stemmed clear white variety for cutting.
 - ***Canary Bird.** (Maximum.) Long-stemmed clear light yellow. Good cut-flower type.
 - ***Cherry Red.** (Majus Grand.) A bright, rosy cerise-red with some color variation.
 - ***Copper Queen.** (Maximum.) Shades of bronzy copper; long-stemmed and attractive.
 - ***Maximum Crimson.** A warm, deep glowing crimson; valuable for cutting.
 - ***Orange Shades.** (Majus Grand.) Bright and showy; not the usual coppery bronze.
 - ***Pinkie.** (Majus Grand.) A lighter rose shade than Rosalie; very fine.
 - ***Rosalie.** (Majus Grand.) A rich deep rose; fine for cutting. Our most popular summer Snap.
 - ***Swingtime.** (Maximum.) Fine medium light pink with white throat.
 - ***Yellow Jacket.** (Majus Grand.) An exceptionally attractive deep rich yellow.
 - ***Improved California Mixture.** A carefully blended formula made up by ourselves of the above varieties.
- Prices above 11, each: tr. pkt., 25c; ⅛ oz., 45c; ¼ oz., 80c; 1 oz., \$2.80.
- Skyscraper.** (New.) Described by the originator as the tallest outdoor Snapdragon. Mixed colors. Tr. pkt., 50c.

2 FINE SUMMER SNAPS

TETRAPLOID. ***Giant Ruffled "Tetra."** This race of Snapdragons has larger cells with double the ordinary number of chromosomes. Because of these larger cells the spikes are more full with larger, thicker ruffled florets, more durable foliage and heavier stems. All colors are represented in this well balanced mixture. Tr. pkt., 50c; ⅛ oz., 90c; ¼ oz., \$1.60; 1 oz., \$2.90.

MAXIMUM. ***Velvet Giant.** The rich, velvety crimson-red flowers of this variety are much larger than other outdoor Snaps, and the spikes are heavier. With some support to keep stems straight, this is a very satisfactory cut flower. The strain we offer is quite uniform and true to type. Tr. pkt., 50c; ⅛ oz., \$1.00; ¼ oz., \$1.80.

STANDARD SUMMER SNAPS

- MAXIMUM.** The long-stemmed type for cutting.
- Appleblossom.** (Rust Resistant.) Bronzy scarlet.
- Campfire.** (Rust Resistant.) Bronzy scarlet.
- Copper King.** (Rust Resistant.) Fine copper-scarlet.
- Daffodil.** (Rust Resistant.) Canary-yellow.
- ***Loveliness.** (Rust Resistant.) Shades of light pink.
- ***Red Cross.** (Rust Resistant.) Striking red, yellow and white.
- ***Yellow Giant.** (Rust Resistant.) Rich yellow.
- Mixture.** (Rust Resistant.) Choice colors.
- Irish Melodies.** Unusual bicolor shades of lavender, terra cotta, cream, yellow and bronze, flecked and blotched with pink or white.
- Prices above 9, each: tr. pkt., 25c; ⅛ oz., 45c; ¼ oz., 80c; 1 oz., \$2.80.
- MAJUS GRANDIFLORA.** Not quite as long-stemmed as the Maximums, but long enough for cut flowers. Large flowered.
- Harmony.** Apricot-pink shades.
- Padre.** (Rust Resistant.) Brilliant crimson.
- Shasta.** (Rust Resistant.) Creamy white.
- ***Hybrid Mixture.** (Rust Resistant.) A carefully balanced mixture.
- Prices above 4, each: tr. pkt., 25c; ⅛ oz., 45c; ¼ oz., 80c; 1 oz., \$2.80.
- MAJESTIC.** Extra large flowered with medium long stems.
- Golden Dawn.** Light golden bronze.
- ***Rose Sensation.** (Rust Resistant.) A fine shade of light pink.
- Mixture.** (Rust Resistant.)
- Prices above 3, each: tr. pkt., 25c; ⅛ oz., 45c; ¼ oz., 80c; 1 oz., \$2.80.

NANUM GRANDIFLORUM. The dwarf class for bedding.

***Gloria.** Uniformly dwarf and bushy in habit with freely produced, deep rose-pink flowers. We offer the true imported strain of this outstanding bedding Snap. Tr. pkt., 50c; ⅛ oz., 85c; ¼ oz., \$1.50; 1 oz., \$5.00.

Golden Queen. Rich golden yellow. Tr. pkt., 50c; ⅛ oz., 85c; ¼ oz., \$1.50; 1 oz., \$5.00.

***St. George.** Flashing orange-cerise. Tr. pkt., 35c; ⅛ oz., 60c; ¼ oz., \$1.00; 1 oz., \$3.00.

Mixture. (Rust Resistant.) Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

TOM THUMB. Magic Carpet. An attractive mixture of colors in this extra dwarf class (4 to 6 in.). Tr. pkt., 50c; ⅛ oz., 85c; ¼ oz., \$1.50; 1 oz., \$5.00.

Spring Flowering Sweet Peas

(350 seeds per oz.)

Cuthbertson Strain

In our latitude this intermediate class must not be sown before October 1. We find it profitable to sow them up to February 1. If we sow them in September, they get up 10-12 ft. by April, producing few or no flowers before becoming exhausted. However, we are told that in sections favored with earlier strong sun than we are, they flower some in February, and freely in March.

Because of their great productivity under favorable conditions, Sweet Peas are again becoming one of the most profitable of all greenhouse crops.

Billy. Bright cerise-rose on salmon; very showy.

***Carol.** Attractive clear pink on white ground.

***Coline.** Vivid, intense scarlet.

Danny. Brilliant deep marine blue.

Evelyn. Extra long-stemmed, soft salmon-pink.

***Frank G.** Fine soft rosy lavender. One of the best.

Hazel. Soft, light "Princess Blue" shade.

***Janet.** Large, frilled, white flowers are carried on long, heavy stems; black-seeded.

Jennie. White-seeded white.

***Jessie.** Closely resembles Winter Flowering "Triumph" in its rich lilac coloring.

***Lois.** Light rose-pink, similar in color to "Ball Rose Queen" in the Winter class.

***Tommy.** A clear mid-blue about the color of "Mrs. Hoover" in the Winter class.

Prices above 12, each: ½ oz., 35c; 1 oz., 65c; 4 ozs., \$2.00; 1 lb., \$6.50.

***Mixture.** A mixture balanced according to demand for each color. ½ oz., 30c; 1 oz., 55c; 4 ozs., \$1.65; 1 lb., \$5.50.

SUMMER PEAS

(350 seeds per oz.)

BALL 10 BEST

***Pinkie.** Finest large flowered rose-pink; long-stemmed and a heavy producer.

***Snow White.** The finest clear white; black-seeded.

***Ball Shrimp-Pink.** A pleasing soft shrimp-pink. Vigorous growth and long stems make this outstanding.

***King Lavender.** Exceptionally fine clear even lavender with long, strong stems. Excellent growth.

***Windsor Blue.** A supremely fine mid-blue. Its clear even color, stem length, and flower size set it apart.

***Welcome.** An intense sunproof scarlet of vigorous growth. Fine flower size and stem, and a heavy producer.

Ambition. Rosy lavender.

***Bonny Briar.** Bright rose-pink.

***Chinese Blue.** Good clear medium blue.

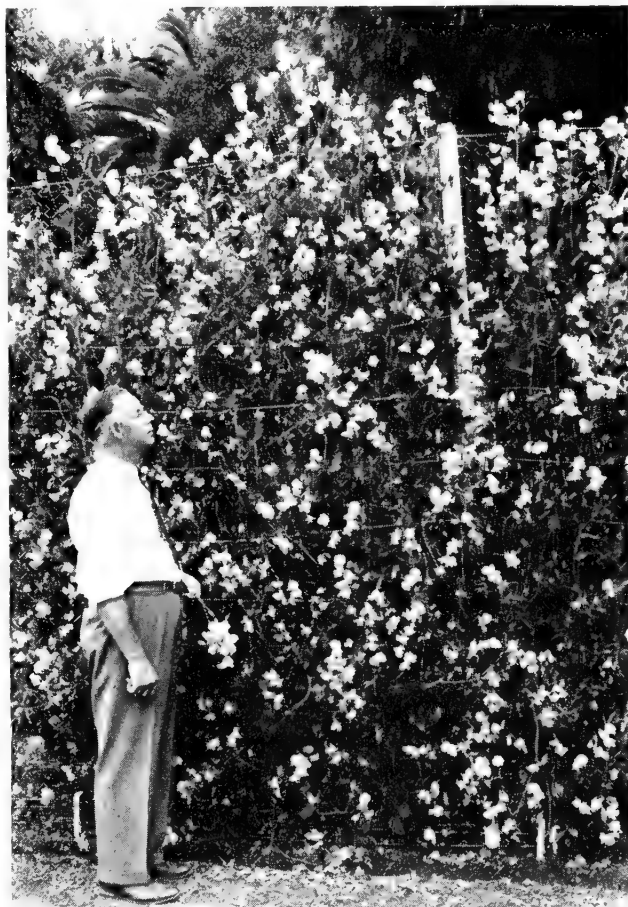
***Ecstasy.** Attractive light salmon or shrimp-pink.

***Gigantic.** Excellent, pure white; black-seeded.

Headlight. Sunproof orange-scarlet.

Highlander. Fine large lavender.

Miss California. Large salmon-rose.



Picturing the Cuthbertson Spring Flowering Peas growing outdoors. This new class is being increasingly used in place of the Summer type because of its earlier flowering habit.

***Maytime.** A bright golden cerise with large flowers and long stems.

***Olympia.** A rich mauve; similar in color to the winter flowering variety, Triumph.

***Stylist.** Large flowers of clear deep salmon-rose-pink.

***Sweet Afton.** Strong growing clear bright pink. An excellent variety.

Ball Best Mixture. Composed only of the best varieties in proportion to their commercial value.

Prices above 11, each: ½ oz., 20c; 1 oz., 30c; 4 ozs., 90c; 1 lb., \$2.90; 5 lbs., \$12.50.

STANDARD VARIETIES

Powerscourt. Strong growing; standard lavender.

***Red Rover.** Deep crimson (same as Redwood in Earlies).

Prices above 10, each: ½ oz., 20c; 1 oz., 30c; 4 ozs., 90c; 1 lb., \$2.90; 5 lbs., \$12.50.

Florists' Mixture. All colors in the late flowering class. 1 oz., 25c; 4 ozs., 75c; 1 lb., \$2.25; 5 lbs., \$10.00.

Winter Flowering Sweet Peas

(350 seeds per oz.)

While we prefer the Spring Flowering for late greenhouse planting, the Winter class does flower earlier and in some sections is preferred even for outdoor planting.

OUR 12 BEST

- ***Ball Blue Supreme.** The same rich blue color as Mrs. Hoover, but larger flowered and a better producer.
- ***Ball Orange Supreme.** Improves the original Ball Orange in better stem length and more brilliant color.
- ***Ball Rose Queen.** Extra long-stemmed and large-flowered clear rose-pink. One of the finest commercial varieties.
- ***Ball Rose Supreme.** Large wavy flowers of bright silvery rose-pink. Good stems and free flowering.
- ***Ball Salmon.** Fairly deep salmon-pink; an excellent producer.
- ***Ball White.** The finest long-stemmed pure white; white seeded.
- ***Fiesta.** The finest red in early Peas.
- ***Hiawatha.** Fine deep rose; a warm, rich color for spring.
- ***Rhapsody.** Extra large flowered, deep rosy lavender.
- ***Treasure Island.** Large, wavy orange-scarlet flowers.
- ***Triumph.** Long-stemmed, rich lilac-mauve; very well liked on most markets.
- ***Twilight.** A bright clear lavender. Considered by many as an improvement over Harmony.
- ***12 Best Mixture.** Our own formula mixture of the above varieties.

Prices above 13, each: ½ oz., 30c; 1 oz., 50c; 4 ozs., \$1.50; 1 lb., \$5.50.

GENERAL LIST

- American Beauty.** American Beauty rose.
- Apollo.** Salmon-cerise; fine for spring.
- Attraction.** Long-stemmed salmon-rose.
- ***Bacchus.** Deep maroon-purple. Large flowered.
- Boon.** Deep salmon-rose.

- Bridesmaid.** Delightful silvery pink. Long-stemmed.
 - Cascade.** Extra large white-seeded white.
 - ***Daphne.** Soft salmon-pink on cream. Large flowered.
 - Fragrance.** Clear lavender for spring flowering.
 - ***Gardenia.** Long-stemmed pure white for spring.
 - Harmony.** Standard early flowering lavender.
 - ***Hope.** Fine black-seeded white.
 - Jeanne Mamitsch.** Clear rose; long-stemmed.
 - Josie.** Rose-pink; rather small flowered.
 - ***Laddie Imp.** Long-stemmed fairly light rose-pink.
 - Majestic Rose.** Large flowered pink.
 - Michigan.** Clear lavender.
 - ***Mrs. Hoover.** Standard early mid-blue.
 - ***Mother Machree.** Large coral-rose flowers; semi-duplexed.
 - ***New Ball Rose.** Free flowering, rich deep rose.
 - Oriental.** Black-seeded cream.
 - Pride.** Extra long-stemmed brilliant cerise.
 - ***Princess Blue.** Large flowered light blue; very attractive.
 - ***Redwood.** Large flowered, deep velvety crimson.
 - Sequoia.** Large flowered standard salmon-rose.
 - Signal Red.** Long-stemmed brilliant red.
 - ***Sparks.** The finest poppy-scarlet.
 - ***Tahoe.** Fine mid-blue for spring flowering.
 - ***Titania.** Extra large flowered deep rose; heavy stems.
 - Top Hat.** Deep bright violet-blue.
 - ***Tops.** Extra large, wavy flowered, light salmon-rose.
 - ***White Harmony.** Similar to Hope; black-seeded.
- Prices all above Winter varieties, each: ½ oz., 30c; 1 oz., 50c; 4 ozs., \$1.50; 1 lb., \$5.50.

Ball Early Mixture. Carefully balanced mixture of Winter varieties. ½ oz., 25c; 1 oz., 45c; 4 ozs., \$1.35; 1 lb., \$5.00.

Ball Calendula

(3,000 seeds per oz.)

BALL GREENHOUSE VARIETIES

This long-stemmed class will flower freely during the spring months from a January sowing.

- ***Ball Improved Long Orange.** The longest stemmed and largest flowered variety. Golden orange with light eye.
- ***Ball Masterpiece.** Deep glowing orange with dark eye.
- ***Ball Lemon Queen.** Lemon-yellow with dark brown eye.
- ***Ball Gold.** Deep golden yellow with light eye.
- Ball Orange.** Extra deep, intense orange. Light-eyed.
- Ball Apricot.** Dark-eyed buff or straw-yellow.
- Campfire.** Popular deep orange.

Prices above 7, each: tr. pkt., 40c; ¼ oz., 60c; 1 oz., \$2.00; 4 ozs., \$6.50.

- Ball Formula Mixture.** Carefully made up of our named varieties with fully half orange.
- Ball Art Shades Mixture.** Contains many original and unusual shades and interesting bi-colors.

Prices above 2, each: tr. pkt., 35c; ¼ oz., 50c; 1 oz., \$1.50; 4 ozs., \$5.00.

BEDDING VARIETIES

Showy for bedding where summer heat is not excessive.

- Lemon Queen.** Light lemon-yellow.
- ***Orange King.** Deep orange with dark eye.
- ***Ball Bedding Mixture.** Well proportioned dwarf mixture.

Prices above 3, each: tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c; 4 ozs., \$2.40; 1 lb., \$7.00.

Yellow Colossal. Extra double, clear bright yellow. Tr. pkt., 35c; ¼ oz., 50c; 1 oz., \$1.50.

PACIFIC BEAUTIES

These improved Calendulas are more resistant to summer heat than the ordinary bedding class.

- Apricot Beauty.** Attractive two-toned rich apricot.
- Cream Beauty.** Creamy white shading to soft yellow.
- Lemon Beauty.** A pure lemon-yellow; wide petals.
- Persimmon Beauty.** Brilliant, true persimmon-orange.
- Pacific Beauty Mixture.** A blend of the above four.

Prices above 5, each: tr. pkt., 35c; ¼ oz., 50c; 1 oz., \$1.50.

Florists' Delphinium

(10,000 seeds per oz.)

THREE OUTSTANDING GIANT PACIFIC HYBRIDS

We believe these three varieties are among the best Hybrid Delphinium on the market today, and should be grown by every florist.

***Galahad Series.** The finest clear white Delphinium. Huge, double flowers on long, closely set spikes.

***Guinevere Series.** Excellent, light pinkish lavender with white bee.

***Summer Skies Series.** Light blue with an attractively contrasting white bee.

Prices above 3, each: **Originator's seed.** ½ tr. pkt., \$1.00; tr. pkt., \$1.75; ¼ oz., \$3.00; ¼ oz., \$5.00; 1 oz., \$18.00.

Grown from Originator's Seed. Tr. pkt., \$1.25; ¼ oz., \$2.50; ¼ oz., \$4.00; 1 oz., \$14.00.

There are two quite distinct classes of this generally profitable perennial, the Hybrids and the Belladonnas. For cutting and selling as young plants to home gardeners, both generally head the perennial list; also are easily grown and dependably hardy. The Hybrids are of particular interest to home gardeners because of their stately growth and rich array of colors that range from pure white, pinkish lavender to every shade of blue.

Clearly the world's finest Hybrid strains are Vetterle and Reinelt's Giant Pacifics. The various distinct varieties come quite true from seed. Their imposing growth suggests planting them with some protection from high or prevailing winds.

The Belladonnas are particularly popular with cut flower growers because of their choice light blue color—one acceptable in any market. Also liked for its wiry, medium-long stems. The dark blue Bellamosum isn't much wanted. For this color the variety "Lamartine" should be used because of its effective white eye and some resistance to mildew.

The Chinensis class are usually grown as annuals, not long-stemmed but early flowering.

GIANT PACIFIC HYBRIDS Court Series

***Percival Series.** Large, glistening white flowers with strongly contrasting black bees. **Originator's seed only.**

***Blue Bird Series.** The clearest of medium blues with white bees.

***Black Knight Series.** Deep midnight violet. The darkest of all.

***Blue Jay Series.** A brilliant true medium blue with dark bee.

***Cameliard Series.** A pure lavender with white bee. Very attractive.

***King Arthur Series.** Royal violet with white bee. Exceptional size.

Guinevere Series. See box above.

Galahad Series. See box above.

Summer Skies Series. See box above.

Round Table Series. Contains all above plus many new colors.

Prices above 10, each:

Grown from Originator's Seed (except Percival). Tr. pkt., \$1.25; ¼ oz., \$2.50; ¼ oz., \$4.00; 1 oz., \$14.00.

Originator's Seed. ½ tr. pkt., \$1.00; tr. pkt., \$1.75; ¼ oz., \$3.00; ¼ oz., \$5.00; 1 oz., \$18.00.

OTHER VARIETIES

***Belladonna Imp.** (Cliveden Beauty). A carefully reselected strain of this popular light blue. Tr. pkt., 35c; ¼ oz., 95c; 1 oz., \$2.85; 4 ozs., \$10.00; 1 lb., \$35.00.

Belladonna. Light blue. Tr. pkt., 30c; ¼ oz., 70c; 1 oz., \$2.20.

Bellamosum Improved. A reselected strain of this standard deep blue. Tr. pkt., 35c; ¼ oz., 95c; 1 oz., \$2.85; 4 ozs., \$10.00; 1 lb., \$35.00.

***Lamartine.** Deep, bright marine-blue with white eye. Tr. pkt., 50c; ¼ oz., \$1.35; 1 oz., \$4.75.

***Blackmore and Langdon Hybrids.** Shades of blue with contrasting bees. A fine free-flowering hybrid strain. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$2.70; 4 ozs., \$9.00.

Wrexham or Hollyhock Strain. Extra large, tapering spikes. Long blooming period. Tr. pkt., 50c; ¼ oz., \$1.60; 1 oz., \$5.50.

Gold Medal Hybrids. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Cardinale. Bright scarlet. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.40.

Outstanding among the Giant Pacific Delphinium are the varieties pictured below: Guinevere, finest lavender (left) and Galahad, glistening pure white.



GIANT PACIFIC HYBRIDS Regular Strain

Clear White. A fine clear white, large flowered hybrid Delphinium.

Blue Shades. Popular Mixture of light, medium and dark blue shades.

Lavender Pastel Shades. Lavender combinations with dark bees.

Mixture. A complete mixture of all colors in this fine hybrid type.

Prices above 4, each: tr. pkt., \$1.00; ¼ oz., \$2.00; ¼ oz., \$3.50; 1 oz., \$12.00.

DELPHINIUM CHINENSIS (Annual Delphinium)

(20,000 seeds per oz.)

***Blue Mirror.** Bright navy-blue flowers without spurs. Tr. pkt., 50c; ¼ oz., \$1.20; 1 oz., \$3.60.

***Cambridge Blue.** The standard Belladonna-blue variety. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.60.

White	Dark Blue	Mixture
Prices above 3, each: tr. pkt., 20c;		
¼ oz., 35c; 1 oz., \$1.25.		

Annual Larkspur

(8000 seeds per oz.)

The foliage and flowers of this annual form of Delphinium become a pleasing combination. Easily grown, too, but to make good stems it must be sown early, in fairly enriched soil. While it is rather heavy and bulky for long distance shipping, much of it is grown in the near South and shipped North.

In New Jersey it is sown in October or timely for developing well established small plants before freezing. Such plants winter over in that state. Whether this is due to the tempering effect of the ocean, or the latitude, we are not sure. But such plants will not winter over in central Illinois. However, if sown in this section just before freezing, preventing fall germination, they will get an earlier start and flower earlier than if sown after conditions permit in the spring. Make a follow-up sowing in early spring for a succession crop.

GIANT IMPERIALS (BASE BRANCHING) Our 6 Best

- *Blue Bell. Shades of soft medium blue.
- *Blue Spire. Violet-purple; finest of its color.
- *Brilliant Rose. Deep rose; fully double flowers.
- *Sweet Lavender. Long-stemmed; clear lavender.
- *Rosalind. Vigorous medium pink; very choice.
- *White King. The best Giant Imperial white.
- *6 Best Mixture. A formula mixture of the above 6.

Prices above 7, each: tr. pkt., 25c; ½ oz., 65c; 1 oz., \$1.10; 4 ozs., \$3.60; 1 lb., \$11.00.

SUPREMES

A vigorous growing, base branching class with large spikes of fully double flowers. Compares favorably with the Super Majestics in stem length and spike quality.

- *Dark Blue Supreme. Long-stemmed; deep violet-purple.
- Lilac Supreme. Good rosy lavender; heavy spikes.
- *Rose Supreme. Clear deep rose.
- *Salmon Supreme. Medium deep rose; extra vigorous.
- White Supreme. Similar to Super Majestic White.
- *Supreme Mixture. All colors in this class.

Prices above 6, each: tr. pkt., 35c; ½ oz., \$1.00; 1 oz., \$1.80; 4 ozs., \$6.00; 1 lb., \$18.00.

REGAL TYPE

- *Regal Rose. Rich, deep rose with fine, heavy spikes and large, double florets. This was outstanding in our last season's trials. Tr. pkt., 50c; ½ oz., \$1.50; 1 oz., \$2.70; 4 ozs., \$9.00; 1 lb., \$27.00.

SUPER MAJESTICS

Extra vigorous growth with long stems and long spikes of fully double flowers are the important points about this strain.

- *Deep Salmon-Pink. Medium deep rose.
- *Rose-Pink. Excellent, medium pink.
- *Lavender. Vigorous, rosy lavender.
- *White. Large flowered, pure white.
- *Mixture of above and other colors.

Prices above 5, each: tr. pkt., 35c; ½ oz., 85c; 1 oz., \$1.50; 4 ozs., \$5.00; 1 lb., \$15.00.



Left to right: Blue Spire, Rosalind, Regal Rose and Blue Bell.

OTHER IMPERIALS

- Coral King. Pleasing, soft coral-rose.
 - Dazzler. Deep carmine, flecked white.
 - *Exquisite Pink Imp. Fine medium pink.
 - Gloria Imp. Medium rose shades.
 - *Lilac King. Rich, deep bluish lavender.
 - *Lilac Queen. Deep orchid; lighter and rosier than Lilac King.
 - Los Angeles Imp. Salmon-rose.
 - Miss Calif. Prefer Sup. Maj. Rose-Pink.
 - White Cockade. Good pure white.
 - White Spire. Prefer Sup. Maj. White.
 - Formula Mixture of Giant Imperials.
- Prices above 11, each: tr. pkt., 25c; ½ oz., 65c; 1 oz., \$1.10; 4 ozs., \$3.60; 1 lb., \$11.00.

STOCK-FLOWERED

- Dark Blue. Rather deep violet-blue.
 - Lilac. A clear deep lilac.
 - Mauve Beauty. Medium lavender-mauve.
 - *Rosamond. Excellent, deep rose.
 - Los Angeles. Bright salmon-rose.
 - White. Prefer Sup. Maj. White.
 - Formula Mixture of all varieties.
- Prices above 7, each: tr. pkt., 25c; ½ oz., 55c; 1 oz., 95c; 4 ozs., \$3.20; 1 lb., \$9.60.

HYACINTH-FLOWERED

- Produces one long non-branching spike.
- | | | |
|-----------|----------|-------|
| Dark Blue | Lavender | Pink |
| Purple | White | Mixed |
- Prices above 6, each: tr. pkt., 35c; ½ oz., 90c; 1 oz., \$1.60; 4 ozs., \$5.20; 1 lb., \$16.00.

Florists' Zinnias

(2500 to 4000 seeds per oz.)

HOW TO INCREASE THEIR VALUE

If sheltered from the trying outdoor conditions of summer, Zinnias can be grown into attractive and profitable cutting material—particularly the Pompons or Lilliputs. Either a cloth or greenhouse can produce flowers that no outdoor stock can compete with. Such protection produces longer stems and larger flowers. While they are easily grown by sowing in the open as soon as the soil becomes well warmed, many gardeners prefer well started plants that are as easily produced under glass as any plants can be. Also, in our latitude, if sown outdoors as late as July, they will flower freely before frost. Zinnias

are warm temperature plants; if the seed is sown in cold, wet soil, it will rot.

The development of Zinnias from the small, high centered singles of 50 years ago to the beautiful forms and colors of today has been almost a miracle. To maintain the trueness to type of today's stock requires much careful work. Most seed growers do this work well. Through our annual trials of all varieties and personal inspection of seed fields, we are able to offer "All the Best—Nothing Else" in florists' Zinnias.

Dahlia-Flowered Zinnias pictured below, top to bottom: Canary Bird, Purple Prince, Polar Bear, Illumination and Scarlet Flame. All these and many others are in our famous Gold Medal Mixture.

DAHLIA FLOWERED

The generally preferred class; flowers are deeper with central petals incurved.

- * **Canary Bird.** A bright, clear canary-yellow.
- * **Crimson Monarch.** Large flowered deep crimson-red.
- * **Dream.** An attractive medium orchid-lavender.
- * **Eldorado.** Unusually attractive salmon-apricot.
- * **Exquisite.** Fine medium rose-pink with deeper center.
- * **Golden Dawn.** Clear golden yellow. A good variety.
- * **Golden State.** A rich orange-yellow; varies some.
- * **Illumination.** A deep rose; darker than Exquisite.

- * **Luminosa.** Bright pink suffused with salmon.
- * **Meteor.** Rich deep amaranth-red. A striking color.
- * **Oriole.** Fine orange with dark center.
- * **Polar Bear.** Large creamy white.
- * **Purple Prince.** Deep purple; large flowered.
- * **Scarlet Flame.** The finest bright scarlet. Very showy.

Prices all Dahlia-Flowered Zinnias, each: tr. pkt., **25c**; 1/4 oz., **45c**; 1/2 oz., **75c**; 1 oz., **\$1.25**; 4 ozs., **\$4.00**; 1 lb., **\$14.50**.

SPECIAL OFFER: We furnish a collection consisting of 1 tr. pkt. each of these 14 varieties for **\$2.75**.

Three Fine Dahlia Flowered Mixtures

* **GOLD MEDAL MIXTURE.** We believe this is the finest complete mixture of large flowered Zinnias available. This is not a field-grown mixture but is carefully blended by formula from first class cut flower colors and varieties in direct proportion to their commercial value.

* **INDIAN SUMMER MIXTURE.** An unusually attractive giant flowered mixture. Bright reds, yellows and oranges predominate to make up this fine assortment of "Indian Summer" colors.

* **PASTEL SHADES MIXTURE.** A formula mixture composed of the lighter colors in the large flowered class. Preferred by those who object to strong reds and purples.

Prices above 3, each: tr. pkt., **25c**; 1/4 oz., **45c**; 1/2 oz., **75c**; 1 oz., **\$1.25**; 4 ozs., **\$4.00**; 1 lb., **\$14.50**.



FLORISTS' ZINNIAS—Continued

LILLIPUT or POMPON



Lilliput Zinnias make grand summer cut lowers.

Small, nicely rounded Pompon type flowers that make excellent cutting material when the stems are drawn some by cloth or glass protection. Attractive for bedding in the open where they attain a height of 12 to 14 inches under middle states conditions.

Black Ruby. Deep maroon.

***Canary Gem**

Crimson Gem

Golden Gem

***Lilac Gem**

***Pink Gem**

Purple Gem

***Rosebud.** Fine deep rose.

***Salmon Gem**

***Scarlet Gem**

Valencia. Burnt-orange.

White Gem

Formula Mixture. All colors.

Prices above 13, each: tr. pkt., 15c; ¼ oz., 35c; ½ oz., 60c; 1 oz., \$1.00; 4 ozs., \$3.20; 1 lb., \$10.00.

Special Offer. Tr. pkt. of each of the 12 named Lilliput varieties for \$1.50.

GIANT MAMMOTH

Flowers are some larger in diameter but not so deep and full as are the Dahlia-Flowered.

Brightness. Bright, clear rose-pink.

Cherry Queen (Cerise Queen). Brilliant cherry-rose.

***Daffodil Improved.** Clear canary-yellow.

***Enchantress.** Light pink; darker center.

Golden Queen. Bright golden yellow.

Lavender Queen. Medium rosy lavender.

Miss Wilmott. Pleasing, soft pastel pink.

***Orange King.** A bright orange with scarlet shading.

***Purity.** The best white in large flowered Zinnias.

***Rose Queen.** Deep rose; a striking color.

***Scarlet Queen.** Intense bright scarlet.

Violet Queen. Deep violet-purple.

Mixture. A balanced formula mixture of all Giant Mammoth varieties.

Prices above 13, each: tr. pkt., 25c; ¼ oz., 40c; ½ oz., 65c; 1 oz., \$1.10; 4 ozs., \$3.60; 1 lb., \$13.50.

SPECIAL OFFER. We offer one trade packet each of the above 12 named varieties for \$2.50.

MISCELLANEOUS VARIETIES

Gracillima (Red Riding Hood). Freely produces large numbers of small bright crimson flowers. Fine for bedding. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

Scabious - Flowered. Fairly tall with some cut-flower value. An Anemone-flowered type with crested center. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

Gaillardia-Flowered or Navajo. Attractive two-tone combinations of rose, bronze, yellow and orange. Medium sized flowers. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35.



Zinnia Haageana

Cupid Mixture. Dwarf, extra small flowered type valuable for borders and rock gardens. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

Linearis. Compact (6 to 8 in.) and early flowering, with single, bright orange flowers. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

Chrysanthemum-Flowered. A mixture of large, fully double, Chrysanthemum-like flowers with attractive curly petals. Some variation in type. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50; 1 lb., \$15.00.

Super Crown O' Gold, Pastel Tints. A mixture of two-tone pastel colors, with base of each petal colored a buff or yellow shade. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

Early Wonder, Finest Mixed. Medium sized double flowers in shades of red, rose and orange are carried on 10-12 in. base-branching plants. Extra early; fine for short season locations. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.20.

Haageana Double Hybrids. (Pictured above.) Especially valuable for bedding. Extra compact and literally covered with small flowers charmingly variegated mahogany, gold and orange. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

PUMILA TYPE

"Cut and Come Again"

Midway between the Giants and Lilliputs in size.

Canary Yellow

Salmon Rose

Pinkie. A pleasing soft pink; fairly long stems.

Golden Orange

Fireball (Scarlet)

Snowball (White)

Mixture of all colors.

Prices above 7, each: tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

FANTASY TYPE

The fairly large flowers have informally curled and twisted petals which produce an attractive novelty effect.

***Star Dust.** A bright deep golden yellow.

***Wildfire.** Dazzling scarlet; a striking brilliant color.

Rosalie. Intense rose-pink.

Melody. Rich orchid-lavender.

Mixture. Formula mixture of all colors in this class.

Prices above 5, each: tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.10.

Ball Asters

(WILT RESISTANT)

(12,000 seeds per oz.)



FOUR FINE ASTERS

New Ball Shell-Pink.

(Lower left.) Large (3½ to 4 in.) fully double flowers of soft shell-pink carried on long stems. Quite wilt-resistant and rarely shows any center under our conditions. Blooms Aug. 20; excellent flowered under lights in early spring. This fine new strain throws few laterals so needs very little disbudding. Tr. pkt., 75c; ¼ oz., \$1.30; 1 oz., \$4.00; 4 ozs., \$12.00.

Ball White Early. (Top right.) Excellent early white. A big selling color on our market.

Ball Deep Rose. (Left.) Fine deep rose.

Ball Deep Purple. (Lower right.) Bright purple; excellent stem.

Prices above 3, each; tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85; 4 ozs., \$6.50.

Better Asters

Improvement of Asters by Breeding is again receiving our attention. Our 200-foot house the past summer was devoted mainly to improvement of the four varieties pictured above—more double, larger flowers, better stems, wilt resistance. The new Ball Shell-Pink offered this year is from our breeding lines. Others will follow.

Spring Greenhouse Asters (under glass).

Asters can be flowered in spring or early summer through use of lights. Spider control is assured with parathion bombs. Wilt losses may be almost eliminated with steaming. We flowered a fine crop early July from a February 4 sowing. They were transplanted to 2½-inch bands February 25, benched 12 x 12 in. on May 2, lighted from sowing till benching. 60-watt bulbs were used 5 ft. apart. A December sowing lighted from sowing date will bloom in May. Run them 50-55° nights.

For complete cultural notes on Asters, see our Ball Red Book, mailed for 50c.

Excessive rot is the price of growing Asters too long in the same location.

BALL Resistant Asters—Continued

BALL 12 BEST ASTERS

- | | | |
|---------------------|--------------------------------|--------------------------------|
| *Queen Azure Blue | *Ball White Late | *Early Giant Rose Marie. |
| *Queen White | *Ball Deep Rose | Tr. pkt., 35c; ¼ oz., 80c; |
| *Queen Ballet Queen | *Ball Deep Purple | 1 oz., \$2.75; 4 ozs., \$9.50. |
| *Royal Azure Blue | *Early Giant Light Blue. | *Early Beauty Silvery Rose. |
| *Royal Shell-Pink | Tr. pkt., 35c; ¼ oz., 80c; | Tr. pkt., 35c; ¼ oz., 80c; |
| *Ball White Early | 1 oz., \$2.75; 4 ozs., \$9.50. | 1 oz., \$2.75; 4 ozs., \$9.50. |

See list below for descriptions of these "12 Best" varieties.

PRICES on each of these "12 Best" Aster varieties except as otherwise noted: tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85; 4 ozs., \$6.50.
SPECIAL OFFER. One tr. pkt. each of these "12 Best" Asters for \$3.40.

QUEEN OF THE MARKET

Popular early August-flowering class; rather short-stemmed.
***Azure Blue.** A clear, light lavender-blue.
***White.** The earliest worth-while cut flower white.
***Ballet Queen.** Deep salmon-rose; very resistant.
***Dark Blue.** Fairly deep shade of purple.
***Deep Rose.** Of the popular Ball Deep Rose color.
***Flesh Pink.** Shell-pink; deepening as it matures.
***Mid-Blue.** Between the popular Azure and Dark Blue.
***Crimson.** Plant moderately of this heavy color.

THE ROYALS

Mid-August; closely following Queen of the Markets.
***Azure Blue.** A fine commercial cut flower variety.
***Shell-Pink.** A clear shade of pastel pink.
***Ball White Early.** A fine resistant white.
***Ball Deep Rose.** Long-stemmed, bright deep rose. Very popular.
***Ball Deep Purple.** A rich, deep color; long stems.
***Deep Rose.** Slightly taller than other Royals.
***Purple.** Bright purple; prefer Ball Deep Purple.
***White.** A good white.

AMERICAN BRANCHING

The standard midseason class, flowering with us around mid-September. Long-stemmed and fine.
***Ball White Late.** Probably the best midseason white Aster.
***Azure Blue.** An excellent, clear light blue.
***Ball Phlox Pink.** Light rose, deepening as flowers mature.
***Deep Rose.** Long stems and fine large flowers.
***Heart of France.** Distinctive scarlet-crimson color.
***Purple.** Rich violet-purple. Long-stemmed.
***Rosalie.** Fine, completely double flowers of deep rich rose.
***Simple Pink.** Standard shell-pink variety.
***White.** Excellent cut-flower white; true branching type.

EARLY BEAUTIES

A very fine, long-stemmed class that always flowers in time to escape the average first frosts of the middle states.
***Early Beauty Silvery Rose.** Fine, large flowered light rose. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.
***Azure Fairy.** Long-stemmed and large flowered azure-blue.
***Crimson.** Color similar to Heart of France.
***Deep Rose.** A fine deep rose.
***Purple.** Long-stemmed, deep purple.
***Shell-Pink** (September Beauty). Delicate light pink.
***White.** Long-stemmed and very choice.

SHAGGY TYPES

This includes the Early California Giants and the Cregos. Both have interlaced petals producing a fluffy effect.
***Early Giant Light Blue.** Extra large and early blooming with full petalled shaggy flowers of clear light blue. September 15 to 20. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.
***Early Giant Rose Marie.** An excellent large flowered, bright deep rose. One of the most valuable varieties in this Early Giant class. September 15 to 20. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.
***Early Giant Peach Blossom.** Same as Early Giant Blue, but a pleasing light pink. Sept. 15 to 20. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.
***California Giant Dark Purple.** Highly resistant rich purple. Sept. 25 to Oct. 1. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.
***Crego Azure Blue.** Fine light blue. Sept. 10 to 15.
***Crego Blue Flame.** Resistant, deep bright blue. Sept. 5 to 10.
***Crego Deep Rose.** Fine large flowered variety. Sept. 10 to 15.
***Crego Orchid.** Attractive orchid-lavender. Sept. 5 to 10.
***Crego Peach Blossom.** Light rose-pink. Sept. 10 to 15.
***Crego Purple.** A rich, bright color. Sept. 5 to 10.
***Crego Shell-Pink.** Light clear pink. Sept. 10 to 15.
***Crego White.** Excellent pure white. Sept. 5 to 10.

Prices on all above varieties except as otherwise noted, each: tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85; 4 ozs., \$6.50.

PRINCESS ASTERS

These types have crested or cushioned Anemone centers, forming fairly hard, medium sized flowers. Early September blooming.
***Princess Anne.** Light peach-blossom-pink.
***Princess Barbara.** Very attractive orchid-lavender.
***Princess Bonnie.** Silvery, salmon-rose.
***Princess Elizabeth.** (New.) Fine pure white.
***Princess Golden Sheaf.** Large flowered, creamy yellow.
***Princess Linda.** Pure, clear rose.
***Princess Margaret.** (New.) Long-stemmed, deep rose.
***Princess Marsha.** Deep reddish crimson.
***Princess Susan.** (New.) Pleasing deep blue.
***Princess Mixture.** Formula blend of above varieties.
Prices above 10, each: tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$9.50.

RESISTANT MIXTURES

Queen of the Market Mixture
American Branching Mixture
Crego Mixture
Royal Mixture
Early Beauty Mixture
All Double Varieties Mixed
Prices above 6 mixtures, each: tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$6.00.
***Single Base-Branching Mixture.** Single flowers in good color range are carried on plants of distinctly upright growth and base-branching habit. Tr. pkt., 30c; ¼ oz., 45c; 1 oz., \$1.50; 4 ozs., \$5.00.
***Single Rainbow Mixture** (Special Florists' Strain). An attractive mixture of medium sized single blooms. Tr. pkt., 30c; ¼ oz., 45c; 1 oz., \$1.50; 4 ozs., \$5.00.

TILFORD'S VARIETIES

Tilford's White
Tilford's Dark Rose
Tilford's Purple
Tilford's Shell-Pink
Prices of above 4 in original trade packets only, at \$1.00 each.

NON-RESISTANT ASTERS

***California Giant Mixed.** Choice blend of large, fully double "shaggy petalled" flowers. Long-stemmed. Late Sept. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.25.
***Giant California Sunshine Mixed.** Attractive assortment of colors in this large flowered Anemone type. Has small center cushion with long ray petals. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.25.
***Peony-Flowered Mixed.** Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.25.
***Super Giant Los Angeles.** Extra large, soft shell-pink. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

KING OR NEEDLE TYPE

Attractively quilled petals give these flowers an outstanding appearance. Mid-September flowering.
***Lavender.** Popular commercial color.
***Rose.** A fine deep rose-pink.
***Violet.** A rich and striking color.
***Crimson.** A deep color; rather heavy.
***White.** A well selected strain.
Prices above 5, each: tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85; 4 ozs., \$6.50.
***King Mixture.** Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$6.00.

IMBRICATED POMPONS

(17,000 seeds per oz.)

Small, rounded flowers produced on upright growing, compact plants about 15 inches tall. Excellent for pot plants.

Violet	Rose	Light Blue	Carmine	White	Scarlet
Prices above 6, each: tr. pkt., 40c; ¼ oz., 90c; 1 oz., \$2.80.					
Mixture of all colors. Tr. pkt., 30c; ¼ oz., 70c; 1 oz., \$2.10.					

SINGLE ASTERS

Violet	Joffe (red)	Light Blue	White	Deep Rose
Prices above 5, each: tr. pkt., 30c; ¼ oz., 45c; 1 oz., \$1.50; 4 ozs., \$5.00.				

Ball NON BRANCHING Stocks

(18,000 seeds per oz.)

Long stems, pleasing colors and a delightful odor explain this ever popular class of cut flower Stocks. Easily grown, too, if planted in steamed or fresh soil. On raised beds they become stronger stemmed and will flower nearly two weeks earlier than in ground beds. Also, we find that with direct sowing—no transplanting—freer and stronger growth results, with less labor than the trans-

planting method calls for. In our latitude they are safely sown up to February 15. Sowings after that date tend to come blind. We annually carry out around 1600-1700 single plant selections. This is responsible for the good percentage of doubles in our strains. Also it has enabled us to develop or improve all the following varieties.



BALL WHITE No. 99 — NEW

(Pictured above)

Fine long-spiked pure white. We find it averages 4 to 6 inches longer spike and stem than our popular Ball White No. 16. Of special value on raised benches where other whites may prove somewhat short.

OUR 3 BEST

- ***No. 16 Ball White Improved—Medium Tall.** The best early pure white, with large florets, and compact spikes.
- ***No. 1 Lilac Lavender Improved.** (New.) Heavier stem, longer flower spike, and more resistant to rot than our old No. 1.
- ***No. 22 Ball Supreme.** Extra long, stiff stems and fine heavy spikes of rich silvery rose.

WHITE VARIETIES

Gardenia. Late flowering white; not entirely non-branching.
No. 5 Ball Dwarf White. An ideal pot plant variety.

PINK, ROSE AND RED VARIETIES

- No. 11 Ball Pink.** Early flowering medium light pink.
- ***No. 14 Ball Rose Pink.** Fairly deep, bright rose-pink.
- No. 9 Chamois Pink Improved.** Attractive buff and rose.
- No. 6 American Beauty.** Deep American-Beauty-rose.
- ***No. 7 Malmaison Pink Improved.** (New.) Long, shell-pink spike. Entirely non-branching.
- ***No. 8 Ruby Improved.** (New.) Larger florets and a more brilliant scarlet than the former No. 8.

LAVENDER, BLUE AND PURPLE VARIETIES

- No. 3 Ball Blue Improved.** (New.) Heavier stem and better flower spike than our previous No. 3.
- ***No. 21 Purple Heart.** Long-stemmed bright violet-purple.
- No. 23 Pastel Lavender.** Pale lavender.

MISCELLANEOUS VARIETIES

- ***No. 20 Ball Apricot.** Popular pink tinged, creamy buff.
- ***No. 24 Deep Apricot Improved.** (New.) A more coppery terra cotta shade than the earlier strain. Good novelty color.
- No. 17 Gold Standard.** Creamy ivory-yellow.
- No. 10 Mixture.** Our own formula mixture of all varieties.

Prices on All Above Non-Branching Stocks, each:
 ½ tr. pkt., 60c; tr. pkt. (about 1200 seeds), \$1.00;
 ¼ oz., \$2.50; 1 oz., \$9.00.

BRANCHING STOCKS

GIANTS OF CALIFORNIA

- Golden Gate.** Soft, creamy yellow.
- Monterey.** A clear bright pink.
- ***Pacific.** Fairly dark lilac-mauve.
- Redwood.** Blood-red.
- Santa Barbara.** Chamois or buff.
- ***Santa Maria.** Best branching white.
- ***Tahoe.** Clear lavender.
- ***Yosemite.** Rich rose-pink.
- Prices above 8, each; tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.50.
- Mixture** of all colors in this class. Tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$4.00.
- PERPETUAL BRANCHING**
- Empress Victoria.** Lilac. Mixture
- Prices above 2, each; tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.65.

IMPROVED BISMARCKS

- Antique Copper.** Fine copper-red.
- Apple Blossom.** Pale, delicate pink.
- Blood Red.** Bright ruby-red.
- ***Chamois.** Clear chamois or buff.
- ***Elk's Pride.** Rich purple.
- Flesh.** Pale coral-pink.
- Golden Ball.** Ivory-yellow.
- ***Lavender.** Clear lilac-lavender.
- Lilac.** Fairly deep lilac-blue.
- ***Rose.** Fine bright rose-pink.
- ***Shasta.** Giant flowered white.
- Formula Mixture** of above colors.
- Prices above 12, each; tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$3.50.

BEAUTY OF NICE

- Cote D'Azure.** Light lavender-blue.
- Flesh Pink** (Beauty of Nice).
- Mont Blanc.** Extra early pure white.
- Queen Alexandra.** Fine rosy lilac.
- Mixture.**
- Prices above 5, each; tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.65.
- DWARF TEN WEEK**
- Blood-Red** **Carmine-Pink** **Lavender**
- Canary-Yellow** **Deep Rose** **Purple**
- White** **Formula Mixture**
- Prices above 8, each; tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.00.

Ball Begonias

FIBROUS ROOTED

This class is the most popular of all pot plants, particularly with the retail grower. Not only are they everblooming (semperflorens), but they're easily and economically grown and make ideal combination material. And—in semi-shade they are really choice for bedding. We have recently developed three varieties that we find real improvements: Ball Red, Ball Deep Rose and Ball White. Also, we are extensive growers of Fibrous Begonias in 2-inch veneer flats, with 25 set in veneer flats. Two of these flats are cleated in a specially prepared cardboard box—our "Ball-Pak." This not only simplifies packing, but unpacking as well. Important point is you get them in exactly the same condition they leave us. See our classified trade paper ads for prices.



Dwarf

Intermediate

Tall

DWARF CLASS

Adeline. Extra free flowering bright pink; dwarf and compact. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.

***Ball Deep Rose.** Under winter and spring conditions the color is a deep rosy red which gradually fades to a luminous pink with the coming of warmer weather. Tr. pkt., \$1.25; 1/64 oz., \$2.75; 1/32 oz., \$5.00.

***Ball Red.** Medium large flowers of bright true scarlet are freely produced on fairly dwarf, uniform plants. This is more inclined to rot than most varieties if watered carelessly. Tr. pkt., \$1.25; 1/64 oz., \$2.75; 1/32 oz., \$5.00.

Ball White. Rather small flowers but very freely produced. Tr. pkt., \$1.25; 1/64 oz., \$2.50; 1/32 oz., \$4.50.

***Gruga.** HETEROSIS STRAIN. Large flowers of Adeline pink color. Habit similar to Ball Red. Tr. pkts. only, \$1.50.

***Luminosa Compacta.** Dwarf, free flowering scarlet-red. Tr. pkt., \$1.00; 1/64 oz., \$3.00; 1/32 oz., \$5.50.

***Pink Pearl.** HETEROSIS STRAIN. Resembles Adeline in flower size, rich pink color and uniformly dwarf, compact growth. This is the genuine imported Hybrid seed. Originator's tr. pkts. only, \$1.50.

***Red Pearl.** HETEROSIS STRAIN. Identical to Pink Pearl except for its Luminosa red color. Originator's imported Hybrid seed. Tr. pkts. only, \$1.50.

***Snowbank.** (New.) Large, glistening white flowers are carried on dense growing, even plants. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.

Dwarf Varieties Mixed. Our own formula mixture of dwarf varieties. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.

EXTRA DWARF CLASS

Ideal for small pots, combinations, or outdoor bedding borders where summers are moderate.

***Ball Dwarf Carmen.** Extra compact habit with rich bronze leaves and light pink flowers. Tr. pkt., \$1.25; 1/64 oz., \$3.50.

***Saga.** (New.) Extra dwarf and dense growth. Small, bright Luminosa red flowers are very freely produced. Tr. pkt., \$1.25; 1/64 oz., \$4.00; 1/32 oz., \$7.50.

INTERMEDIATE CLASS

***Carmen.** The original bronze-leaved Begonia; bright rose-pink flowers. Tr. pkt., \$1.00; 1/64 oz., \$2.25; 1/32 oz., \$4.00.

Fire Sea (Blaze of Fire). Large, fiery red with green foliage. Tr. pkt., \$1.00; 1/64 oz., \$2.25; 1/32 oz., \$4.00.

***Indian Maid.** Foliage a deep lustrous bronze with scarlet flowers. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.

King of the Reds. Free flowering rose-red; vigorous growth. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.

***Luminosa.** Very attractive and popular scarlet-red. Tr. pkt., \$1.00; 1/64 oz., \$3.00; 1/32 oz., \$5.50.

Prima Donna. Medium rose-pink. Prefer Scandinavia Pink. Tr. pkt., \$1.00; 1/64 oz., \$2.00; 1/32 oz., \$3.50.

***Scandinavia Pink.** Very free flowering bright rose-pink. Fine bushy pot plant habit. Tr. pkt., \$1.00; 1/64 oz., \$2.75; 1/32 oz., \$5.00.

***Scandinavia Red.** Identical to the above except for its bright carmine-scarlet flowers. Tr. pkt., \$1.00; 1/64 oz., \$2.75; 1/32 oz., \$5.00.

Scandinavia White. A white Scandinavia selection. Tr. pkt., \$1.00; 1/64 oz., \$2.75; 1/32 oz., \$5.00.

White Pearl. Medium sized white flowers with green leaves, tinged pink; reddish stems. Tr. pkts. only, \$1.00.

Intermediate Varieties Mixed. Our own mixture made up of the above separate colors; carefully blended. Tr. pkt., \$1.00; 1/64 oz., \$2.00; 1/32 oz., \$3.50.

TALL CLASS

Christmas Cheer. Large flowered, deep crimson-rose. Tr. pkt., \$1.00; 1/64 oz., \$1.75; 1/32 oz., \$3.25.

Masterpiece. Extra large flowered, light pink. Tr. pkt., \$1.00; 1/64 oz., \$2.25; 1/32 oz., \$4.00.

***Pink Radio.** Extra large flowered, rich rose. Tr. pkt., \$1.00; 1/64 oz., \$2.25; 1/32 oz., \$4.00.

***Silver Wings.** Extra large pure white flowers. Tr. pkt., \$1.00; 1/64 oz., \$1.75; 1/32 oz., \$3.25.

Tall Varieties Mixed. A formula mixture of the above strong growing sorts. Tr. pkt., \$1.00; 1/64 oz., \$1.50; 1/32 oz., \$2.50.

MISCELLANEOUS BEGONIAS

Doty's Calla Queen. (New.) A novelty Begonia with attractively variegated green and white foliage which contrasts vividly with its red and pink flowers. Needs pinching for shapely plants and good variegation in leaves. Originator's tr. pkt., \$3.00; 1/2 tr. pkt., \$1.75.

***Tuberous Rooted Double Mixed.** Gorgeous colors with 80% to 90% good doubles. Tr. pkt., \$2.50.

Tuberous Rooted Single Mixed. Attractive mixture; large flowered. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.

***Lloydii Mixed.** Double flowers, about 2 inches, in shades of scarlet, rose, salmon and white. Tr. pkt., \$3.00.

Rex Hybrids. Mixture of ornamental leaved Rex Begonias; many unusual variations. Seed is quite small and requires extra care in germinating. Tr. pkts. only, \$1.00.

Popular Annuals

For Bedding and Cutting

On this and the following pages thru page 40 we have grouped, in alphabetical order, all our valuable bedding and cut flower annuals except specialties on foregoing pages. Your special attention is called to pages 39 and 40, where many of the more popular kinds are illustrated in full color. Perennials will be found starting on page 41. In selecting these varieties, we keep in mind the interest of the professional or commercial grower only, thereby giving meaning to our business—"Flower Seeds for Florists."

To better enable you to judge the amount of seed you'll need for your planting requirements we have indicated the number of seeds per ounce of all important items listed. For example: **ACROCLINIUM**—8500 S means 8500 seeds per oz. These figures must NOT be accepted as indicating the number of plants to be expected. Under favorable germinating conditions most large seeds will germinate 60 to 70 percent.

The asterisk (*) indicates varieties most dependably satisfactory in our experience and observation.

ACROCLINIUM

New Hybrids (Sensation Giants). 8500 S. An extra large semi-double strain of brightly colored strawflowers for spring cutting. Shades of rose, pink and white. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

AGATHAEA

Coelestis (Blue Daisy). 27,000 S. Fairly tall (30 in.) and useful for cutting. Of slow germination. Tr. pkt., 25c; ¼ oz., 50c.

AGERATUM

MEXICANUM. 200,000 S. Most seed-produced strains vary in habit but make satisfactory material for flat sales.

Blue Ball Improved. 6 to 10 in. Large flowered strain. Tr. pkt., 30c; ⅛ oz., 65c; ¼ oz., \$1.20; 1 oz., \$4.00.

Blue Perfection. 10 to 15 in. Large flower heads. Tr. pkt., 20c; ¼ oz., 45c; 1 oz., \$1.50.

Tall Blue. 24 in. Uniformly large-flowered, tall strain for cutting. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

AGERATUM—Continued

Fairy Pink. 10 to 12 in. Shades of light pink. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.65; 1 oz., \$5.50.

Imperial Dwarf White. 10 to 12 in. Medium dwarf, fairly clear white. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

***Golden Ageratum** (Lonas inodora). Freely produces large clusters of Ageratum-like golden yellow flowers on medium tall (12 in.) plants. Very colorful for bedding or borders. Tr. pkt., 35c; ⅛ oz., 75c; ¼ oz., \$1.35; 1 oz., \$2.50.

***Blue Bedder**. Fairly uniform in growth and color with medium sized, freely produced bright blue flowers. 4 to 6 in. This and Midget Blue are the two finest seed-produced strains we know of. Tr. pkt., 35c; ⅛ oz., 85c; ¼ oz., \$1.50; 1 oz., \$4.50.

***Midget Blue**. Small, clear blue flowers are freely carried on dense small-leaved plants. Fairly even growth, 4 to 6 in. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.65; 1 oz., \$5.50.

ALOE

***Variegata** (Tiger Aloe). 2-in. pot plants of this attractive green and yellow tigered succulent can be produced in less than a year. A valuable item for florists. 100 seeds, \$1.50; 500 seeds, \$6.50; 1000 seeds, \$11.00.

Ferax (African Wart Aloe). A fast growing succulent that will produce small saleable plants in 6 to 8 months from sowing. Much faster growing than Aloe Variegata. 100 seeds, 50c; 250 seeds, \$1.00; 500 seeds, \$1.75; 1000 seeds, \$3.00.

SAVE LABOR COSTS, VALUABLE SEED, TIME and PATIENCE

- Simple to operate
- Nothing to get out of order
- Sows a trade packet or a full ounce of seed
- Made of rust proof metal
- Should last a lifetime with ordinary care
- Will save its cost this spring in sowing your bedding plant seed alone
- Ideal for small growers.

As illustrated, these seeders fit across a seed flat and with a flick of the wrist, will sow a row at a time uniformly, and with just the right amount of seed. **LITTLE WONDER SEEDER** (at right) operates by turning knob shown on left which rotates drum, dropping seeds. Drums are interchangeable and are available in the 3 following sizes for sowing various kinds of seed: **Drum A** will handle Petunia, Snapdragon, Cineraria and Primula seed. **Drum B** will handle Celosia, Celery, Pansy, Alyssum and Stock seed. **Drum C** will handle Salvia and Cabbage seed.

Seeder made to fit either a 12 or 14 inch (outside width) flat. Can be made to fit any other size flat at slight additional cost. **Specify drums wanted and outside width of your flats when ordering.**

SEEDER with any one drum sent postpaid for \$12.75. Extra drums \$1.50 each. Seeder with complete set of 3 drums, \$14.75. **PRICES NET.**

with the
Little Wonder Seeder



LITTLE WONDER SEEDER sowing Snapdragon seed. Avoids damping-off caused by thick sowing.

MISCELLANEOUS ANNUALS—Continued

ALYSSUM

90,000 S. All are delightfully fragrant and do well even in poor soils. Valuable for combinations or bedding.

***Carpet of Snow** (Snowcloth). Produces a very dense flat mass of white flowers, 3 to 4 in. high by 8 to 10 in. across. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c; 4 ozs., \$2.25.

***Little Gem**. 5 in. Dense rounded heads of white flowers; does not spread. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., 90c; 4 ozs., \$2.75.

***Violet Queen**. 5 in. Fragrant, bright violet flowers are borne on dwarf compact plants. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25; 4 ozs., \$4.25.

Lilac Queen. 5 in. Not as showy as above. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c; 4 ozs., \$2.25.

Maritimum (Sweet Alyssum). 10 in., medium tall strain. Tr. pkt., 10c; 1 oz., 35c; 4 ozs., \$1.20; 1 lb., \$3.50.

Perennial Alyssum. See page 43.

AMARANTHUS

Molten Fire. 28,000 S. 4 ft. attractively variegated deep red foliage. Plants do best when not transplanted and prefer dry, open locations. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

ANCHUSA

Blue Bird (Capensis). 1100 S. Attractive deep Forget-Me-Not-blue flowers. 18 to 24 in. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

Perennial Anchusa. See page 43.

ARCTOTIS

Breviscapa Aurantiaca. 7700 S. 6 in. Single Daisy-like orange flowers with dark centers. Tr. pkt., 35c; ¼ oz., 85c.

Grandis. 25,000 S. Single silvery white flowers with lilac shading and dark center. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

Large Flowered Hybrids. 3700 S. 2½ in. Gerbera-like flowers in many beautiful colors. Tr. pkt., 40c; ¼ oz., \$1.20; 1 oz., \$3.60.

ASPARAGUS

750 S. We offer seed from a California specialist which germinates around 65 to 75% in a soil temperature of 70°.

Plumosus. **Sprengeri**.

Prices above 2, each: 100 seeds, 30c; 250 seeds, 65c; 1000 seeds, \$2.00; 5000 seeds, \$9.00.

Asters. See pages 18 and 19.

Baby's Breath. See Gypsophila, page 30, and Euphorbia Corollata, page 45.

Bachelor Button. See Centaurea Cyanus, page 25.

BALSAM

DOUBLE BUSH FLOWERING. 3300 S. 15 in. Because flowers are produced above the foliage this class is by far the most attractive. Even in habit.

Scarlet. **Rose**. **White**. **Mixture**.

Prices above 4, each; tr. pkt., 35c; ¼ oz., 70c; 1 oz., \$2.10.

Double Camellia-Flowered Mixed. 24 in. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

Begonias. See page 21.

BRACHYCOME

IBERIDIFOLIA (Swan River Daisy). 140,000 S. 6- to 8-in. plants bearing small single flowers.

Mixture of all colors in this class. Tr. pkt., 15c; ¼ oz., 50c; 1 oz., \$1.50.

BROWALLIA

Viscosa Compacta Sapphire. 65,000 S. Compact growth with a profusion of small attractively light-eyed blue flowers. Tr. pkt., 35c; ¼ oz., \$1.00; ½ oz., \$1.85.

Speciosa Major. 1½-in. violet-blue flowers are carried on 10- to 12-inch plants. The standard variety for pots. Tr. pkt., \$1.00; ¼ oz., \$2.00; ½ oz., \$3.75; 1 oz., \$8.50.



Arctotis Grandis, the popular African Lilac Daisy, makes a very useful summer cut flower.

CACALIA

Mixed (Tassel Flower). 56,000 S. Small, light scarlet and golden orange flowers on 30-in. stems. Free flowering and easily grown. Tr. pkt., 30c; ¼ oz., 90c; 1 oz., \$2.70.

CACTUS

All Sorts Mixed. An extra choice blend of unusual varieties collected from many sources. Requires a temperature of at least 65° for satisfactory results. 100 seeds, 30c; 1000 seeds, \$2.70.

CALCEOLARIA

About 20,000 seeds per ½ oz.

***Duplex Hybrids Mixed**. Upper pouch of each flower is almost as large as the lower, giving an attractive duplexed effect. Nice color mixture. ½ tr. pkt., \$1.25; tr. pkt., \$2.00; ¼ oz., \$4.00.

***Ball Multiflora Nana Mixture**. Large heads of medium sized flowers in brilliant reds, yellows and intermediate shades. Plants are wiry in growth with small durable leaves. Tr. pkt., \$1.00; ¼ oz., \$2.35; ½ oz., \$4.35; 1 oz., \$8.00.

***Grandiflora Dwarf Mixed**. Extra large flowers in unusual colors are carried on compact plants. Tr. pkt., \$1.00; ¼ oz., \$2.75; ½ oz., \$5.00.

Grandiflora Mixed. A tall growing strain of the above. Tr. pkt., \$1.00; ¼ oz., \$2.50; ½ oz., \$4.50.

***Dwarf Tigered or Spotted**. Various spotted shades of red, yellow and rosy bronze. Dwarf and compact; needs no staking. Tr. pkt., \$1.00; ¼ oz., \$2.50; ½ oz., \$4.50.

***Triumph Strain**. Medium large flowers; mostly bright reds and yellows. Tr. pkt., \$1.00; ¼ oz., \$2.75; ½ oz., \$5.00.

Red Triumph. A separate color selection of Triumph, 90% true scarlet-red. Tr. pkt., \$1.00; ¼ oz., \$2.75; ½ oz., \$5.00.

Indian Prince. A bright scarlet Multiflora Nana selection. Tr. pkt., \$1.00; ¼ oz., \$2.35.

Cloth of Gold. Medium large, freely produced golden yellow flowers. Very showy. Tr. pkt., \$1.00; ¼ oz., \$2.50; ½ oz., \$4.50.

Flower Cloud. Small flowers in shades of yellow, orange and bronze. Tr. pkt., \$1.50; ¼ oz., \$3.50.

Perennial Hybrids (Rugosa). A very small flowered type for large exhibition work and bedding. Tr. pkt., \$1.00.

Calendula. See page 13.

MISCELLANEOUS ANNUALS—Continued



Calliopsis Gold Crest will enhance any flower garden with its brilliant display.

CALLIOPSIS

90,000 S. Fairly dwarf and very free flowering bedding plants.

Gold Crest. Produces large (2½ to 3 in.) semi-double golden yellow flowers with reddish brown eyes. Tr. pkt., 15c; 1 oz., 60c.

Dwarf Mixture. 6 to 8 in. Attractive dwarf compact mixture of red and yellow shades. Tr. pkt., 15c; 1 oz., 50c.

CAMPANULA

Annual Canterbury Bells Mixture. 50,000 S. 2 ft. An annual form of the well-known perennial, flowering 6 months from sowing. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

Perennial Campanulas. See page 44.

CANDYTUFT

HYACINTH-FLOWERED. 9,500 S.

***Giant White.** (Ball Strain.) This is our own unsurpassed strain that has been especially bred for greenhouse cut-flower use. Uniform in growth and large flowered. Tr. pkt., 20c; ½ oz., 45c; 1 oz., 80c; 4 ozs., \$2.65; 1 lb., \$8.50.

Miniature Gem. A nice very early flowering rock or border plant; 4 in. high. White. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

UMBELLATA. A popular spring greenhouse cut flower. Sow in January; plant out 8x10 in. Is also widely used as a winter outdoor crop in Florida and southern Texas. Rose Cardinal is an exceptionally fine variety.

***Carmine**
Crimson
Flesh-Pink

***Lavender (Lilac)**
***Rose Cardinal**
White

Formula Mixture

Prices above 7, each: tr. pkt., 15c; 1 oz., 50c; 4 ozs., \$1.65.

Dwarf Hybrids Mixture. An attractive 3- to 4-in. miniature Umbellata. Very early. Tr. pkt., 15c; 1 oz., 60c.

Perennial Candytuft. See Iberis, page 46.

CARNATION

14,000 S. From an early sowing planted outdoors preferably under cloth protection, these strains will produce a nice crop of summer Carnations for cutting. Some supporting necessary.

***Giant Malmaison, J. M. Bridgeford.** Of sturdy upright habit. If well grown, supported and disbudded, flowers comparable to those produced in the greenhouse can be had outside. Many colors are represented in this superior mixture. Tr. pkt., 50c; ⅓ oz., \$1.25; ¼ oz., \$2.25.

Marguerite Double Mixture. 15-20 in. Ours is a reselected strain of this very free flowering summer Carnation. An old favorite. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

CHABAUD'S GIANT IMPROVED STRAIN.

***Cardinal Red**
(Sparkler)

Flesh-Pink
(Reine Rose)

Crimson
(Blood Red)

Salmon-Rose

***Deep Rose**
(Rose Queen)

***White**
(Jeanne Dionis)

Deep Salmon
(Aurora)

Yellow
(Marie Chabaud)

Formula Mixture of all colors.

Prices above 9, each: tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.25.

ENFANT DE NICE. A fine standard strain.

Red **Salmon** **White** **Formula Mixture**

Prices above 4, each: tr. pkt., 50c; ⅓ oz., \$2.00.

Carnation Grenadin. See page 44.

Castor Bean. See Ricinus, page 35.

CELOSIA

28,000 S. One of our most easily grown and showy annuals, but must not be planted out until weather is warm. Does well even in poor soils and hot climates.

PLUMOSA. Plumed or feathery type producing spirelike branches mostly from base of plant. The dwarf varieties are widely used for bedding and as spring and summer pot plants, while the taller strains make useful cut flowers in late summer.

***Dwarf Fiery Feather.** 12 in. Very attractive pyramid formation with fiery red spires. The standard variety.

***Dwarf Golden Feather.** 15 in. Same as above but slightly taller and golden yellow.

***Dwarf Feather Mixture.** A formula mixture of the above two varieties; 2/3 Fiery Feather, 1/3 Golden Feather.

Prices above 3, each: tr. pkt., 25c; ⅓ oz., 65c; ¼ oz., \$1.25; 1 oz., \$4.00.

***Scarlet Plume.** 4 ft. Brilliant crimson-scarlet. Very colorful for fall borders and for cutting. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

***Golden Plume.** Tall. Same as above except a rich golden yellow. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

***Thompsoni Magnifica.** Ours is a fine even strain of this popular tall growing variety. Contains strikingly brilliant reds and yellows with some copper and gold shades. This makes an excellent cut flower. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

***Spicata.** 5 ft. Long slender silvery rose spikes. Useful as a fresh cut-flower or for drying. Tr. pkt., 20c; ¼ oz., 60c; 1 oz., \$1.80.

CRISTATA. The popular cockscomb type. The taller varieties provide good cut flowers in either the fresh or dried state, while the dwarf kinds make nice pot plants in summer.

Gilbert's Rose Beauty. Ruffled, ball-shaped heads, about 6 in. across, are of a pleasing rose-pink underlaid with silver. Stem length is about 3 ft. Originator's tr. pkt. (300 seeds), 50c.

MISCELLANEOUS ANNUALS—Continued

CELOSIA—Continued

Gilbert's Maple Gold. Attractive combs varying in color from light to dark pink, tipped with gold. Grows 2 to 3 feet high and makes an excellent cut flower. Originator's tr. pkt. (300 seeds), 50c.

Gilbert's Harlequin. Bushy, semi-dwarf plants, branching from base with many small to medium combs in varying Maple Gold shades. Originator's tr. pkt. (500 seeds), 75c.

***Empress.** (Dwarf.) 12 in. Large crimson combs with deep red-dish leaves.

Glasgow Prize (Pres. Thiers). 12 to 15 in. Deep crimson combs set in bright green leaves.

***Dwarf Cristata Mixture.** 15 in. A choice mixture of all colors in this class with both light and dark foliage.

Prices above 3, each: tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

***Royal Velvet.** A uniform strain of semi-tall "cockscornb" Celosia. Crimson combs borne well above foliage on 24- to 30-in. stems. Tr. pkt., 25c; ¼ oz., 90c; 1 oz., \$3.00.

***Tall Mixture.** 40 in. Mixture of all colors in the tall class. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 80c.

CHILDSII (Chinese Woolflower). An attractively different type with knobs or ball-like formations on the end of each branch.

Crimson and **Mixture**
Prices above 2, each; tr. pkt., 20c; ¼ oz., 50c; 1 oz., \$1.75.

CENTAUREA

CYANUS (Bachelor Button or Cornflower). 6500 S. Ours are the very finest, free flowering, re-selected florists' strains. Useful for spring greenhouse flowering or can be flowered outdoors in June and July from a fall sowing.

***Blue Boy.** The standard market variety.

Black Boy. Rich deep maroon.

Red Boy. Deep carmine-rose.

***Pinkie.** Attractive rose-pink.

***Snowman.** Fine clear white.

Formula Mixture of above varieties.

Prices above 6, each: tr. pkt., 15c; 1 oz., 45c; 4 ozs., \$1.50; 1 lb., \$5.00.

***Early Single Blue.** Freely produces single cornflowers of clear bright blue. Not quite as strong in growth as Blue Boy, listed above, but earlier. Tr. pkt., 30c; 1 oz., \$1.20; 4 ozs., \$4.00.

DWARF CENTAUREAS

The following three are all of the new dwarf, bushy type and are ideal for borders and general bedding. Height is about 10 to 12 in. with the freely produced flowers closely packed on the plant. Also makes a satisfactory pot plant.

***Polar Gem.** Pure white fully double flowers.

***Rose Gem.** (New.) Bright carmine-rose.

Prices above 2, each: tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.50.

Jubilee Gem. Deep, bright cornflower-blue. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

IMPERIALIS (Sweet Sultan). 7500 S. Thistle-like flowers; larger than the Cyanus type. Height 30 in.

Amaranth Red **White** **Deep Lavender** **Brilliant Rose**
Formula Mixture

Prices above 5, each: tr. pkt., 15c; ¼ oz., 30c; 1 oz., 90c.

Suaevolens (Yellow Sweet Sultan). 6700 S. Bright yellow thistle-like flowers; similar to the Imperialis type, but earlier flowering and not quite as tall (20 in.). Forces well indoors. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

CENTAUREA—Continued

AMERICANA. 2400 S. Large (4 in.) flat, thistle-like flowers are produced in great profusion on 18-in. stems; plants grow 2-2½ ft. tall.

Lilac. The preferred color. **White.**

Mixture of above 2 colors.

Prices above 3, each: tr. pkt., 15c; 1 oz., 60c; 4 ozs., \$2.00; 1 lb., \$6.00.

DUSTY MILLERS. The white-leaved kinds for border work. *Cineraria Maritima* Diamond also belongs in this group.

Candidissima. 7500 S. 6 in. The slow growing kind that must be started early. Tr. pkt., 45c; ¼ oz., \$1.00; 1 oz., \$3.50.

Gymnocarpa. 7300 S. 24 in. Strong growing, fern-leaved. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c; 4 ozs., \$2.50.

Centaurea Montana. See page 44.

CHERRY, CHRISTMAS (Solanum)

12,000 S. Sow in February, summer plants outdoors; lift and pot in September for Christmas pot plants.

***Ball Christmas Cherry** (Hlavacek's Masterpiece). A uniform, bushy strain without the wild growth of the original Cherry varieties. Large, round red fruit is very freely produced.

Patterson Christmas Cherry. A compact strain of Christmas Cherry. Fruit medium sized and freely produced well above foliage. Well suited for the smaller sized pot specimens.

Prices above 2, each: tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

Chinese Forget-Me-Not. See *Cynoglossum*, page 27.

CHRYSANTHEMUM (Annual)

9000 S. A valuable cut flower "catch crop" that responds well to electric light forcing. Space at least 12x12 in. Germination somewhat slow and irregular.

Burridgeanum (Carinatum). White with crimson zone and brown eye.

Eastern Star (Segetum). Pale lemon, golden zone with brown eye.

***Eldorado** (Segetum). Golden yellow with brown eye.

***Northern Star** (Carinatum). White with yellow zone, brown eye.

Mixture of all colors.

Prices above 5, each: tr. pkt., 15c; 1 oz., 60c.

Rainbow Mixture (Carinatum). An outstandingly complete and brilliant mixture of annual Chrysanthemums including many entirely new shades and color combinations. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

***Yellowstone.** Single and semi-double golden yellow 2-in. flowers are freely produced on bushy plants about 20 in. tall. Makes a fine bedding show throughout most of the summer. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

Hardy Chrysanthemum. See page 44.

CINERARIA

An early January sowing, if kept growing right along, will make satisfactory 3-in. plants in late May for combination work, in our latitude. Sowings are made from June on for Christmas and later flowering.

Ball Copper-Scarlet. Compact small-leaved plants with medium sized, bright copper tinged, scarlet flowers. Uniform and attractive. Tr. pkt., \$1.50; ¼ oz., \$2.25.

***Berlin Market Mixed.** (White-Eyed or Weissensee Strain.) 3500 seeds per ½ oz. Large rounded heads of medium large flowers. Tr. pkt., \$1.00; ¼ oz., \$1.75; ½ oz., \$3.25.

Berlin Market, Dark Crimson. A deep crimson selection without any eye. Tr. pkt., \$1.00; ¼ oz., \$1.75.

MISCELLANEOUS ANNUALS—Continued

CINERARIA—Continued

***Grandiflora Dwarf Mixed.** 3500 seeds per $\frac{1}{32}$ oz. Large flowers in a wide assortment of rich colors with contrasting large white eyes. Extra dwarf and compact growth. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.

Pacific Giants Mixed. Produces extra large heads of flowers mostly in shades of blue and lavender. A strong grower for 6-7 in. pots or bedding. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.

Stellata Mixture. (Star type.) Small, free flowering strain. 24 to 30 in. tall. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.25; $\frac{1}{32}$ oz., \$2.25.

***No. 1 Mixture.** Consists of Cremer's Prize Strain and Siter's Rainbow Strain in equal proportions. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

***No. 2 Mixture.** Contains $\frac{1}{2}$ Cremer's Prize Strain and $\frac{1}{4}$ each Siter's Rainbow Strain and Multiflora Nana, Gold Center Strain. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

***Siter's Rainbow Strain.** 3500 seeds per $\frac{1}{32}$ oz. An excellent market strain with immense heads of medium large mostly white-eyed flowers and small foliage. Tr. pkt., \$2.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50; $\frac{1}{16}$ oz., \$8.00.

***Multiflora Nana, Gold Center.** 6300 seeds per $\frac{1}{32}$ oz. Attractive medium small, self-colored flowers with yellow anthers. Good shipper. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.

***Cremer's Prize Strain.** (Reselected stock.) 6300 seeds per $\frac{1}{32}$ oz. Extra large heads of medium small flowers in widely varied color assortment. About half light eyed. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00; $\frac{1}{16}$ oz., \$7.50.

DUSTY MILLER

***Maritima Diamond.** 10 in. Our finest Dusty Miller. Compact, even growth and very white foliage. Tr. pkt., 15c; $\frac{1}{4}$ oz., 25c; 1 oz., 85c.

CLARKIA

ELEGANS DOUBLE. 90,000 S. Popular for spring cut flower use. Sow in January and grow in shallow soil, disbudding to 2 or 3 spikes for long stemmed flowers. Don't feed and keep fairly dry after plants are about a foot high to prevent over-soft, lanky growth.

Albatross. The best white.

***Brilliant.** Bright deep rose. Good market color.

***Orange King.** Excellent fully double orange-scarlet.

***Salmon Queen.** Medium light salmon-pink.

Mixture of all colors in this class.

Prices above 5, each: tr. pkt., 15c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.25.

CLEOME

***Pink Queen** (Spider Plant). 12,000 S. A wonderfully attractive variety. Large heads (6 to 7 in. across) of newly opened luminous rosy pink flowers changing to a clear white. Makes a heavy hedge-like row about 4 ft. tall and 3 to 4 ft. across. Tr. pkt., 30c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.75.

COBAEA

SCANDENS. 375 S. A fine, strong growing, annual climber.

Purple. The most popular color. Tr. pkt., 25c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50.

COLEUS

3500 seeds per $\frac{1}{32}$ oz. Constant, yearly reselection of our own greenhouse grown Coleus strains have resulted in an unusually bright assortment of colors, with a minimum of dark, unattractive shades. Many use these strains instead of cuttings because they are more economically grown and are free from mealy bugs. Grow plenty for spring combinations.

COLEUS—Continued

***Rainbow Mixture.** We spared no cost in producing this strain of medium to large leaved coleus. Years of patient breeding, together with regular roguing during the growing season, have developed a mixture that surpasses in brilliance and vigor that of any other we have seen anywhere. Tr. pkt., 75c; $\frac{1}{32}$ oz., \$1.80; $\frac{1}{16}$ oz., \$3.25.

Hybrida No. 5. The medium sized leaves are a rich combination of deep mahogany-red and bright carmine-rose. And we find it comes around 80% true. Tr. pkt., \$1.00; $\frac{1}{32}$ oz., \$2.00.

***Giant Exhibition Mixture.** An extra large leaved strain with exceptional brilliance of coloring. Tr. pkt., \$1.00; $\frac{1}{32}$ oz., \$2.25; $\frac{1}{16}$ oz., \$4.00.

Ball Copper Giant. Produces large leaves of a pleasing copper-rose shade and comes about 75% true to type. Tr. pkt., \$1.00; $\frac{1}{32}$ oz., \$2.00.

Glory of Vichy. A popular strain predominating in the lighter, more golden shades. Tr. pkt., 60c; $\frac{1}{32}$ oz., \$1.50; $\frac{1}{16}$ oz., \$2.50; $\frac{1}{8}$ oz., \$4.00; $\frac{1}{4}$ oz., \$7.00.

CORAL FLOWER

Small bright carmine flowers, freely produced on 24- to 30-in. stems. Grown principally for the small deep coral seed capsules that are really more attractive than the flowers. Tr. pkt., 30c; $\frac{1}{16}$ oz., 75c; $\frac{1}{8}$ oz., \$1.40.

CORN, ORNAMENTAL

Rainbow (Calico or Indian Squaw). Kernels of various colors make attractive ears for fall decorations. 1 oz., 15c; 4 ozs., 30c; 1 lb., \$1.20.

Strawberry. The attractive, tiny 2-in. ears of rich, shiny mahogany contrast with the straw-colored husks when folded back. Grand for fall floral arrangements. 1 oz., 40c; 4 ozs., \$1.30; 1 lb., \$3.90.

COSMOS

SENSATION. 5000 S. The most satisfactory class of Cosmos to grow for cut flower purposes. Extra large flowers and extreme earliness make them suitable for growing outdoors even in northern climates.

***Pinkie.** Clear rose-pink.

***Purity.** Extra large flowered pure white.

***Mixture** of above and other shades.

Prices above 3, each: tr. pkt., 20c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.15.

***Radiance.** (All-America Silver Medal.) Deep rose petals with large, rich crimson eye. A striking color combination.

***Dazzler.** Bright crimson-red. This is a marked improvement over strains previously offered.

Prices above 2, each: tr. pkt., 20c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.60.

Crimson Scarlet. (New.) The English originator of this new Cosmos describes it as "a pure, unvarying crimson-scarlet without any trace of purple, and with flowers almost as large as the Sensation varieties." Probably the best red Cosmos so far. Tr. pkt., 20c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.60.

EARLY SINGLE MAMMOTH FLOWERED. 5000 S. Ours are re-selected strains in the standard large flowered class.

Crimson Queen **Rose Queen** **White Queen**
Queen Mixture of above colors.

Prices above 4, each: tr. pkt., 15c; 1 oz., 60c.

EXTRA EARLY DOUBLE CRESTED. 5000 S. Produces around 60% large crested flowers.

Mixture. Tr. pkt., 30c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.25.

MISCELLANEOUS ANNUALS—Continued

COSMOS—Continued

GIANT FLOWERED LADY LENOX. 5000 S. The extra large flowered late blooming class.

Mixture. Tr. pkt., 15c; 1 oz., 40c.

HYBRIDA KLONDYKE. 2800 S.

***Orange Ruffles.** An attractive semi-double; the same bright orange as Orange Flare but even earlier flowering and slightly dwarfed. Blooms very profusely and is uniformly true to type.

***Yellow Ruffles.** Same type as Orange Ruffles, but a pleasing clear yellow.

Prices above 2, each: tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.00.

Orange Flare. Very early and free flowering, and a fine bright orange. Blooms same time as the Sensation type. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

Yellow Flare. A bright clear yellow. Similar to Orange Flare in its early and very free flowering habit, and vigorous growth. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.00.

CUPHEA

7000 S. Very attractive and easily grown bedding plants.

***Firefly.** Dense, compact plants reaching a height of 12 in. with freely produced small bright scarlet flowers. Also makes an attractive spring pot plant. Tr. pkt., 25c; ⅛ oz., 70c; ¼ oz., \$1.25.

Avalon Hybrids. Vigorous and dense in growth; about 2 ft. tall. A fairly free flowering mixture of red, pink, lavender and purple shades. Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75.

CYCLAMEN

All Cyclamen prices are net, no cash discounts, 250 of a variety at 1000 rate (except Vogt's), 10,000 to 25,000 seeds, any assortment of varieties, less 5%; over 25,000 seeds, less 10%. We handle both Burghard's Colorado Strain and Baardse's Imported Strain, being exclusive U. S. distributors for the latter. In ordering, please specify which strain is wanted.

Note.—Varieties prefixed (B) are available in Baardse's only; those prefixed (b) in Burghard's only. All others are available in both strains.

	100 Seeds	1000 Seeds
No. 1 Dark Blood-Red	\$1.75	\$16.00
No. 2 Bright Red	1.75	16.00
No. 3 Pure Rose	1.75	16.00
No. 4 Soft Rose with carmine eye. (Improved Rose of Marienthal) ..	1.75	16.00
No. 5 White with carmine eye	1.75	16.00
No. 6 Pure White	1.75	16.00
No. 7 Bonfire. Brilliant salmon	2.25	20.00
No. 8 Salmon-Scarlet (America Imp.) ..	2.30	21.00
(b) No. 9 New Salmon-Rose Imp.	2.25	20.00
No. 10 Glory of Wandsbek (Perle of Zehlendorf). Dark salmon	2.20	18.00
No. 11 Rose of Zehlendorf. Light salmon	2.20	18.00
(b) No. 12 Orange Beauty. Orange-vermilion	2.30	21.00
(b) No. 14 Morning Red	2.20	18.00
(B) No. 15 Dirk Baardse. Soft wine-red	4.00	36.00
No. 16 Saffron Red-Silver Edged	2.25	20.00
(b) No. 17 Striped Varieties Mixed	2.20	18.00
(b) No. 18 Mozart. Deep pink	2.30	21.00
No. 19 Lavender	1.75	16.00
(b) No. 21 Pink Pearl. Salmon-pink	2.30	21.00

CYCLAMEN—Continued

	100 Seeds	100 Seeds
No. 22 Baardse Wonder. Salmon with white border	\$2.25	\$20.00
(B) No. 24 Roseum Oculatum. Light pink, salmon eye	2.20	18.00
(B) No. 25 Sylphide. (New.) Light mauve ..	2.20	18.00
(B) No. 26 Victoria. Fringed white, tipped red	2.25	20.00
No. 30 Mixture of above colors	1.65	15.00
No. 50 Ruffled Lavender	2.30	21.00
No. 51 Ruffled Salmon	2.30	21.00
No. 52 Ruffled White	2.30	21.00
No. 53 Ruffled Dark Red	2.30	21.00
No. 60 Mixture of ruffled types	2.30	21.00

VOGT'S DOUBLE-FLOWERED STRAIN

Admiration. Salmon-rose with shaded eye.

Mixture.

Prices above 2, each: 100 seeds, \$3.50; 250 seeds, \$7.00; 500 seeds, \$13.00; 1000 seeds, \$25.00.

CYNOGLOSSUM

AMABILE. Chinese Forget-Me-Not. 5000 S.

***Firmament.** Fine bushy, compact plants with freely produced small flowers of the most intense clear blue. An excellent bedding plant that stands hot, dry weather well. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

***Blue Bird.** An improved upright growing type; rich bright blue. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Pink. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 80c.

CYPERUS

Alternifolius (Umbrella Plant). 200,000 S. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.40.

DAHLIA

2800 S. Because of the wide variation in colors and types, seedling Dahlias are interesting to grow and tubers may be saved from the choicest specimens. The dwarf types are especially nice for outdoor bedding while the Unwin strain also makes a fine pot plant. All flower the first season from an early sowing.

***Unwin's Dwarf Hybrids.** Our strain of this popular variety is especially reselected for evenness of dwarf habit and a wide range of attractive colors in both double and semi-double forms. Seed sown during January will produce saleable 3- to 4-in. flowering pot plants in May. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.50; 4 oz., \$7.50.

Giant Flowered Mixed. A choice tall mixture producing 50% giant double flowers of the very best types and colorings. Outstanding individuals may be propagated through tubers. Tr. pkt., 50c; ⅛ oz., \$1.65; ¼ oz., \$3.00; 1 oz., \$9.00.

COLTNESS STRAIN. Dwarf and free flowering single.

Mixture of all colors. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

DATURA

Wrighti (Angel's Trumpet). 3 ft. Large trumpet-like flowers open soft lavender-rose, gradually turning white. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.80.

Delphinium. See page 14.

DIDISCUS

Coeruleus (Blue Lace Flower). 10,000 S. Freely produces small (1½ to 2 in.) heads of light bluish lavender flowers. Useful for spring forcing, or outdoors in cool climates. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

MISCELLANEOUS ANNUALS—Continued



Nothing showier than *Dianthus Sweet Wivelsfield*.

DAISY

Dahlberg Daisy. An unusually attractive, compact edging plant with airy lace-like leaves. Produces a profusion of small yellow flowers continuously from late spring until frost. Forms a very even row, 6 to 8 in. high and 12 to 14 in. across. Germination somewhat irregular except in spring months. Tr. pkt., 50c; 1/8 oz., \$1.25.

Tahoka Daisy. Single daisy-like flowers of lavender-blue with deep yellow center are carried on medium length stems. Lacy fern-like foliage. Tr. pkt., 25c; 1/4 oz., 70c; 1 oz., \$2.10.

Blue Daisy. See *Agatheia*, page 22.

English Daisy. See *Bellis*, page 44.

Painted Daisy. See *Pyrethrum*, page 48.

Perennial Daisies. See page 44.

DIANTHUS

25,000 S. Wonderfully showy and free flowering bedding plants.

Annual Sweet William (*D. barbatusinensis*). 12 in. Single mixed. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

***Sweet Wivelsfield Single Mixed.** 12 in. Probably the most popular of the annual *Dianthus*. Free flowering and brilliantly colored. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

Sweet Wivelsfield Double Mixed. Same as above but most flowers either semi-double or double. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

Westwood Beauty (*D. Heddensis*). This *Dianthus*, the result of a cross between *D. Heddewigi* and *D. Chinensis*, produces large 2-in. single flowers in shades of red on long stems. Somewhat more resistant to heat than ordinary *Dianthus*. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.80.

HEDDEWIGI (Double Pinks). 10 in. Fine for rock garden and border work.

***Gaiety.** Large showy fringed flowers. Colors range from pure white to crimson and are attractively zoned. Tr. pkt., 35c; 1/4 oz., 70c; 1 oz., \$2.35.

***Fireball.** Deep scarlet.

***Snowdrift.** Extra large flowered pure white.

Imperator Mixture of all colors in this double class.

Prices above 3, each: tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.25.

Hardy Dianthus. See page 44.

DIMORPHOTHECA

9500 S.

Aurantiaca Hybrids Mixed. 6 to 10 in. 2-inch single Daisy-like flowers in bright yellow, buff and orange shades. Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., \$1.00.

Salmon Beauty. Soft salmon-pink. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.80.

***Glistening White.** Large, pure white Daisy-like flowers with black eye, edged violet. Spreading plants 10-12 in. tall. Good for rock gardens, edging and cutting. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

DRACAENA

Indivisa. 1500 S. The narrow-leaved and most popular variety. Tr. pkt., 15c; 1 oz., 50c; 4 ozs., \$1.50; 1 lb., \$5.00.

Australis. 1000 S. The broader-leaved kind. Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., 90c.

Dusty Miller. See *Cineraria*, page 26, and *Centaurea*, page 25.

ECHIU

Blue Bedder. 6500 S. 14 in. Very early blooming annual producing 1/2-in. bell-shaped blue flowers throughout the summer until frost. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

ESCHOLTZIA

15,000 S.

Aurantiaca. 1 ft. The true California Poppy. Rich orange. Tr. pkt., 15c; 1 oz., 50c.

Red Chief. Spreading plants with large, mahogany red, single flowers.

Formula Mixture. Single flowers ranging from lightest yellow to dark red. Growth is compact and erect.

Prices above 2, each: tr. pkt., 20c; 1/4 oz., 30c; 1 oz., 90c.

Bush Escholtzia. See *Hunneemannia*, page 30.

EUPHORBIA

Variegata. 2500 S. The popular Snow-on-the-Mountain. Tr. pkt., 15c; 1 oz., 50c; 1 lb., \$4.00.

Heterophylla (Annual Poinsettia or Mexican Fire Plant). 5000 S. 36 in. Makes small Poinsettia-like formations at tips of branches. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

Hardy Euphorbias. See page 45.

EXACUM

Affine. An easily grown, neat and attractive pot plant with richly fragrant violet-blue flowers. Tr. pkt., \$1.00; 1/128 oz., \$3.00; 1/64 oz., \$5.50.

FELICIA

Bergeriana (King Fisher Daisy). 150,000 S. The dwarf blue Daisy for pot plants. 6 in. Germination sometimes slow and irregular. Tr. pkt., 35c; 1/4 oz., \$1.00.

Forget-Me-Nots. See *Myosotis*, pages 32 and 47.

FREESIA

1000 S. Seed sown in May will produce bulbs by September which will bloom the following January with good flowers and stems. **Freesia seed strains vary widely in quality. While those listed below will be found of good standard quality, we can also supply special fancy strains. Glad to quote prices on request.**

Refracta Alba. Pure white. Tr. pkt., 50c; 1/4 oz., \$1.35; 1 oz., \$4.00.

Refracta Buttercup. Yellow. Tr. pkt., 50c; 1/4 oz., \$2.00; 1 oz., \$6.00.

Rainbow Hybrids. Attractive mixture including blues, yellows and reds. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

MISCELLANEOUS ANNUALS—Continued

FUCHSIA

Special Mixture. A choice mixture of single and double types saved from one of the finest collections in the country. Fancy specimens may be cutting propagated. 250 seeds, \$3.00; 500 seeds, \$5.00; 1000 seeds, \$9.00.

GAILLARDIA

PICTA. 14,000 S. Annual Gaillardia. Fine free flowering, brightly colored material for beds or borders.

***Indian Chief.** 12 to 15 in. An even and very free flowering single strain with solid red flowers.

Lorenziana Double Mixed. 12 in. Quite attractive and free flowering double strain of orange, yellow, red and rose shades.

Prices above 2, each: tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

***Sunshine Double Mixed.** Fully double flowers about 2½ in. across are carried on strong stems 16 to 18 in. long. Attractive shades of wine-red, yellow and bicolor red and yellow. Retail growers will find this a valuable and easily grown source of summer cut flowers. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

Perennial Gaillardia. See page 45.

GAZANIA

Splendens Grandiflora Mixed. Large flowers in many attractive shades. The vigorous plants are constantly in bloom. Stands hot, dry weather well. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

GERANIUM

Zonale. A mixture of single types in shades of white, pink, salmon and red. Easily grown from seed. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.50.

GERBERA (Transvaal Daisy)

Jamesoni Hybrids. A long lasting and valuable greenhouse forcing crop. All colors are represented in this choice mixture of large single Daisy-like flowers. 100 seeds, 50c; 1000 seeds, \$4.00.

Duplex Hybrids. This splendid new strain produces large 5-inch flowers with twice as many petals as the ordinary single type. All colors, except blue, are represented with flowers being carried on strong stems up to 3 ft. in length. 100 seeds, 60c; 1000 seeds, \$5.00; 5000 seeds, \$22.50.

GESNERIA

Macrantha. (New.) The Gloxinia-like leaves of this attractive pot plant are crowned with an upright central stem bearing many slender, tubular, brilliant scarlet flowers from the leaf axils. Sow January to March for late fall and Christmas plants. Keep shaded during summer. Tr. pkt., \$1.00.

GLOXINIA

25,000 seeds per ½ oz. Sow in January for blooming plants in 4-inch pots during June and July. All Gloxinia seed is very fine and must be handled carefully.

***Panzer Strain.** This strikingly beautiful velvety scarlet Gloxinia comes almost completely true from seed. Originated by one of the leading Pacific Coast pot plant growers. Tr. pkt., \$1.00; 6 pkts., \$5.00.

Formula Mixture. Made up of choice named separate color varieties. Do not confuse this with cheap seed mixtures grown as such. Tr. pkt., \$1.00; 6 pkts., \$5.00.



Annual Gaillardias come in an array of attractive double and single forms.

GODETIA

45,000 S. Should be grown in flats or shallow benches for greenhouse culture. Handle about like Clarkia.

UPRIGHT SINGLE. This class is especially attractive and much grown for greenhouse cut flowers.

***Duke of York.** Bright carmine and white.

***Kelvedon Glory.** Rich apricot.

***Purity.** A clear white.

Mixed.

Prices above 4, each: tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

TALL DOUBLE GRANDIFLORA.

Mixture of colors in the Tall Double class. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

DWARF DOUBLE AZALEA FLOWERED.

Sybil Sherwood. 18 in. Bright salmon-pink, edged white. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

GOMPHRENA (Globe Amaranth)

5500 S. An attractive, everlasting garden flower with some value for cutting. A fine bedder for hot, dry climates.

GLOBOSA. Round, ball-shaped flowers.

Rubra. 30 in. Magenta-purple. A bright deep shade.

Mixture of colors.

Prices above 2, each: tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

***Buddy.** Fairly dwarf plants with small ball-shaped flowers of bright reddish purple. Fine for bedding, pot plants or combination boxes. Better have some of this. Tr. pkt., 30c; ¼ oz., 65c; 1 oz., \$2.00.

MISCELLANEOUS ANNUALS—Continued

GOURDS, ORNAMENTAL

SMALL VARIETIES. 450 S. All are easily grown and, when properly dried and varnished, last indefinitely.

***La Montagne Strain.** The finest selected strain of mixed Gourds we have tried. We handle originator's seed. Tr. pkt., **25c**; ¼ oz., **45c**; 1 oz., **\$1.50**.

Spoon. More or less spoon-shaped. Orange and white striped.

Warted Types Mixed. Not over 4 in. in diameter.

Prices above 2, each: tr. pkt., **15c**; 1 oz., **50c**.

GRASSES, ORNAMENTAL

Briza Maxima (Quaking Grass). Graceful panicles which tremble in the slightest breeze. 18 in. Tr. pkt., **25c**; 1 oz., **\$1.00**.

Coix Lachrymae (Job's Tears). 3 to 4 ft. tall with hard, shiny beads up to 1 inch in diameter. Tr. pkt., **15c**; 1 oz., **30c**; 4 ozs., **\$1.00**; 1 lb., **\$3.00**.

Pennisetum Ruppelianum (Fountain Grass). 3 to 4 ft. tall with long, graceful purple sprays. Tr. pkt., **30c**; ¼ oz., **90c**; 1 oz., **\$2.70**.

Lawn Grass. See page 38.

GREVILLEA

Robusta (Australian Silk Oak). 3000 S. Seed sown in early spring and grown in a temperature of 60° will make nice 5-in. pot specimens by fall. Because it holds its foliage well, is being used with Poinsettias instead of Asparagus. Tr. pkt., **20c**; ¼ oz., **60c**; 1 oz., **\$1.80**.

GYPSOPHILA

ELEGANS (Baby's Breath). 24,000 S. Easily flowered in flats in the greenhouse or may be grown outdoors; requires about 3 months to bloom from sowing. Although the larger flowered varieties are attractive and fine, the smaller ones outlast them for bouquet work.

***Covent Garden Market.** A very excellent strain with large and full-petaled flowers, about 75% of which have 6 to 8 petals. 1 oz., **25c**; 4 ozs., **75c**; 1 lb., **\$2.25**; 5 lbs., **\$8.50**.

New York Market. Similar to Covent Garden Market; uniform habit of growth. 1 oz., **35c**; 4 ozs., **90c**; 1 lb., **\$2.75**; 5 lbs., **\$11.00**.

***Paris Market.** Smaller flowered than Covent Market. Holds up well. 1 oz., **25c**; 4 ozs., **70c**; 1 lb., **\$2.00**; 5 lbs., **\$8.00**.

Carminea. Small. ¼-in. pink flowers. Tr. pkt., **15c**; 1 oz., **\$1.20**; 1 ozs., **\$4.00**.

Crimson. Slightly darker than above. Tr. pkt., **15c**; 1 oz., **\$1.20**; 4 ozs., **\$4.00**.

Hardy Gypsophila. See page 45.

HELICHRYSUM

MONSTROSUM. 36,000 S. The most popular double strawflower. Widely used for drying.

Canary-Yellow	Violet Queen	Silver Ball (White)
Golden Globe	Rose Queen	Fireball (Scarlet)

Formula Mixture

Prices above 7, each: tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

HELIOTROPE

50,000 S.

***Dwarf Regale Mixture.** 15 in. A fine, even strain with extra large, lavender-violet flower heads. Richly fragrant. Tr. pkt., **35c**; ¼ oz., **90c**; 1 oz., **\$3.25**.

Lemoine's Giant Mixture. 24 to 30 in. Tr. pkt., **35c**; ¼ oz., **75c**; 1 oz., **\$2.50**.

Unless the package of seed you buy carries this trade mark:



IT IS NOT BALL SEEDS

HELIANTHUS (Sunflower)

***Sungold.** 650 S. Of uniform medium height (4 to 5 ft.) with practically 100% fully double, golden yellow Chrysanthemum-like flowers about 4 in. across. Sow outdoors in May for August blooming. Retail growers will find this a valuable summer cut flower. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **75c**; 4 ozs., **\$2.50**; 1 lb., **\$7.50**.

HOLLYHOCK (Annual)

Indian Spring. 13,000 S. 4 to 5 ft. Starts to bloom 5 months from seed sowing and continues until frost. Semi-double light pink and rose flowers are borne mostly on central spike. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**.

Indian Summer. (New.) Contains a wide range of colors, with all the beauty of the perennial type. Blooms first season from seed. Tr. pkt., **35c**; ¼ oz., **\$1.00**.

HUNNEMANNIA

FUMARIAEFOLIA (Bush Escholtzia). 8000 S.

***Sunlite.** Brilliant canary-yellow, semi-double. Tr. pkt., **25c**; ¼ oz., **45c**; 1 oz., **\$1.65**.

Single Yellow. Tr. pkt., **15c**; 1 oz., **60c**.

Hardy Iberis. See page 46.

IMPATIENS

One of our most valuable plants for bedding under shady conditions; also widely used for winter and spring pot plants.

Sultani Dwarf Bright Carmine. Compact and very free flowering.

Sultani Dwarf Mixture. Bright mixture of colors in this dwarf class.

Prices above 2, each: tr. pkt., **\$1.00**; ⅓ oz., **\$1.80**; ⅛ oz., **\$3.25**.

Sultani Hybrids Mixed. Ours is a choice imported strain.

Holsti Vermilion. Deep scarlet.

Holsti Hybrids Mixed. Blend of taller growing sorts.

Prices above 3, each: tr. pkt., **50c**; ⅛ oz., **\$1.00**; ⅓ oz., **\$1.80**.

KALANCHOE

No plant surpasses Kalanchoe for brilliance of scarlet-red color. While they flower normally in spring, they may be had in bloom for Christmas from a January sowing, if shaded for about 6 weeks starting late August.

***Brilliant Star.** This new hybrid Kalanchoe makes a fine pot plant producing flowers 3 times the size of the common varieties and of a brighter fiery red color. The attractive foliage is restricted to the base of the plant, permitting the development of clean stems about 12 inches long which are suitable for cutting, especially if benched.

***Fire Flower.** (New.) Identical to Brilliant Star except for its more compact growth which suits it better for pot plant use. Very colorful.

Prices above 2, each: tr. pkt., **\$1.50**; ⅛ oz., **\$3.50**; ⅓ oz., **\$6.50**.

MISCELLANEOUS ANNUALS—Continued

KALANCHOE—Continued

***Tom Thumb.** A dwarf compact strain of this popular succulent. Produces perfectly rounded symmetrical plants literally covered with bright scarlet flowers. A January or February sowing will provide fine 4-in. specimens for next winter's sales. Tr. pkt., \$1.25; 1/4 oz., \$5.00; 1/32 oz., \$9.00.

Globulifera Coccinea. The original rather tall growing Kalanchoe. Should be handled the same as the above variety but its stronger growth will produce larger plants. Tr. pkt., 60c; 1/4 oz., \$1.60.

KOCHIA (Summer Cypress)

Childsii. 45,000 S. 24 in. Stays a clean fresh green throughout the entire season. Very attractive dense bushes. Tr. pkt., 10c; 1 oz., 25c.

LANTANA

1300 S. Very showy. One of the most satisfactory bedding subjects for areas where summer temperatures are excessive. Must be sown early and with bottom heat.

Dwarf Hybrids Mixed. 12 in. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

Tall Hybrids Mixed. 30 in. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

Larkspur. See page 15.

LAVATERA

Splendens, Loveliness. 45,000 S. Very attractive early flowering annual, with 2-in. Hollyhock-like single flowers of a deep salmon-rose shade. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

LEPTOSYNE

Stillmani. 25,000 S. 18 in. Nice golden yellow for cutting. Flowers 6 to 8 weeks from seed. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

Golden Rosette. Double flowers of bright butter-yellow. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.80.

LINARIA

MAROCANA (Miniature Snapdragon).

Fairy Bouquet. 600,000 S. 10 in. Flowers very early and freely. Bright mixture of colors. Tr. pkt., 20c; 1/4 oz., 45c; 1 oz., \$1.50.

LINUM

Rubrum (Scarlet Flax). 2 ft. Flowers of bright red about 1 in. across. Tr. pkt., 15c; 1 oz., 50c; 4 ozs., \$1.35; 1 lb., \$5.00.

LOBELIA

700,000 S. Where protection from direct sun can be given them and in not too hot climates, Lobelias are unsurpassed for bright blue and white edging, hanging and trailing work. All varieties come quite true.

COMPACTA. 6 in. Of dwarf compact habit.

***Blue Gown.** Standard free flowering deep blue. Very fine.

Cambridge Blue. Very dwarf, restricted, light blue.

***Crystal Palace.** Very dwarf deep blue with dark bronzy green foliage. A fine standard variety.

***Mrs. Clibran Imp.** Deep blue with contrasting white eye and light foliage.

Prima Donna. Bright purplish mauve, shading crimson.

White Lady. Clear glistening white.

Prices above 6, each: tr. pkt., 25c; 1/4 oz., 85c; 1 oz., \$3.00.

Mixture of all colors in the compacta class. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

PENDULA. Of trailing or pendulous habit.

***Hamburgia.** Deep blue with dark green foliage. Tr. pkt., 35c; 1/8 oz., 85c; 1/4 oz., \$1.50.

LOBELIA—Continued

Sapphire. Deep blue with white eye. Light green foliage. Tr. pkt., 35c; 1/4 oz., \$1.00.

Perennial Lobelia. See page 46.

LUPINE

A good spring crop of the annual type can be flowered in 3-in. pots from a January sowing spaced close so as to flower one spike to a plant. We prefer the Giant Kings.

GIANT KING. 1300 S. Some longer stemmed and earlier flowering than the regular Hartwegi.

***Oxford Blue.** Standard rich deep blue. **Sky Blue**

Heliotrope. A pleasing rosy purple shade. **White**

Mixture of above colors.

Prices above 5, each: tr. pkt., 20c; 1 oz., 80c; 4 ozs., \$2.65; 1 lb., \$8.00.

HARTWEGI. 1400 S. The standard cut flower strain.

Dark Blue **Roseus** **Sky Blue** **White** **Mixture**

Prices above 5, each: tr. pkt., 15c; 1 oz., 75c; 4 ozs., \$2.25.

Perennial Lupine Polyphyllus, see page 47.

Marigolds. See pages 8 and 9.

MARVEL OF PERU (Mirabilis Jalapa)

Dwarf Mixture. 325 S. A uniformly dwarf (18 to 20 in.) strain of old-fashioned "Four O'Clocks." Well adapted for bedding or border work and will do nicely under adverse growing conditions. Fine range of bright colors. Tr. pkt., 15c; 1 oz., 40c.

MESEMBRYANTHEMUM

Criniflorum (Livingstone Daisy). Spreading plants literally covered with 1-in. flowers in many attractive colors. Needs full sun. Tr. pkt., 40c; 1/4 oz., \$1.20; 1 oz., \$3.60.

MIGNONETTE

27,000 S. May be sown in January for spring cutting; delightfully fragrant.

***Ball Strain.** Considerably whiter and 2 to 3 weeks earlier than New York Market. 1/2 tr. pkt., 60c; tr. pkt., \$1.00; 1/4 oz., \$1.75.

MACHET. For summer bedding.

Golden Goliath.

Goliath Red.

Prices above 2, each: tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

MIMOSA

Pudica (Sensitive Plant). 4500 S. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

MIMULUS

(Monkey Flower) 400,000 S.

Moschatus (Musk Plant). 6-in. plants with fragrant yellow flowers. Tr. pkt., 35c; 1/64 oz., \$1.20.

Tigrinus. Mixture of large single flowers. Tr. pkt., 35c; 1/32 oz., \$1.00.

MOONFLOWER (Ipomoea Noctiflora)

110 S. Large flowered white Moonflower.

Black-Seeded

White-Seeded

Prices above 2, each: tr. pkt., 15c; 1 oz., 40c; 4 ozs., \$1.35; 1 lb., \$4.00.

MISCELLANEOUS ANNUALS—Continued

MORNING GLORY (*Ipomoea*)



Morning Glory, Heavenly Blue

These vines are easily grown and most varieties are profuse bloomers if grown in soil of low fertility and not over-watered.

***Blue Star.** (New.) 650 S. A vigorous grower, similar in form and habit to Heavenly Blue. Large flowers are of clear, light blue with 5 mid-blue stripes radiating from near throat to petal tips. An unusual novelty color. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.25.

***Crimson Rambler.** Freely produced flowers are a bright crimson-red with white throat. A vigorous grower, but flowers are somewhat smaller than the following 2 varieties. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

***Pearly Gates.** A fine clear white Morning Glory with slight cream shading in throat. Similar to the popular Heavenly Blue in habit but not quite as early flowering. Tr. pkt., 35c; ¼ oz., 45c; 1 oz., \$1.40; 4 ozs., \$5.00.

***Heavenly Blue.** 650 S. Clark's Mammoth Early Free Flowering Strain. The popular bright blue shade that is a solid sheet of vivid color all summer. Can be forced into flower for spring sales in 3- or 4-in. pots from a sowing made 8 to 10 weeks previously. Tr. pkt., 20c; 1 oz., 65c; 4 ozs., \$2.00.

Cornell. A large flowered bright Carnelian red with white edge. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

Scarlett O'Hara. 650 S. Brilliant carmine-red variety. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.00.

MYOSOTIS (Forget-Me-Not)

***Ball Early.** 44,000 S. Free flowering, spring blooming plants of this always popular bright blue flower can be had from a sowing made as late as January. Our early flowering strain should not be confused with the other types listed with the perennials. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

Hardy Mycosotis. See page 47.

NASTURTIIUM

No retail grower should be without at least a small greenhouse planting of double Nasturtiums. Their richly colored, long-stemmed, fragrant flowers are valuable for cutting, and the dwarf type is well suited for combinations or window boxes.

DOUBLE GLEAM TYPE. 175 S. Of trailing or climbing habit. Vigorous growers; fine for cutting or window boxes.

***Golden Gleam.** The original Gleam Nasturtium; golden yellow.

NASTURTIIUM—Continued

***Scarlet Gleam.** Same as preceding but a brilliant scarlet.

***Gleam Hybrids.** A brilliant mixture of all double varieties. Prices last 3, each: 1 oz., 25c; 4 ozs., 70c; 1 lb., \$2.40.

DWARF DOUBLE TYPE. 175 S. Fully as double and large as the Gleam type, the following varieties are of a very attractive dwarf compact, rounded growth. 12 to 15 in. high.

***Golden Globe.** Same color as Golden Gleam.

Scarlet Gem. Brilliant scarlet.

Mixture of all colors in this dwarf class.

Prices above 3, each: 1 oz., 30c; 4 ozs., 90c; 1 lb., \$2.75.

SINGLE VARIETIES. 225 S.

Dwarf Mixture of all colors in the dwarf class.

California Giant Single Mixture of colors in the tall, trailing class.

Prices above 2, each: 1 oz., 20c; 4 ozs., 65c; 1 lb., \$2.25.

NEMESIA (*Strumosa* Suttoni)

GRANDIFLORA. 90,000 S. Large flowered and long-stemmed. 14 to 16 in. Fine for spring cutting and combination work.

Mixture of all colors in this tall class. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

NANA COMPACTA. Of more dwarf habit, 6 to 8 in.

Triumph Mixed. A very attractive mixture with a wide range of colors. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

NEMOPHILA

INSIGNIS (*Baby Blue Eyes*). 16,000 S.

Blue. Small brightly colored flowers are borne in profusion on 6-in. plants. Tr. pkt., 15c; 1 oz., 45c.

NICOTIANA (Flowering Tobacco)

275,000 S. Sweet scented and showy.

***Suaveolens** (*Orange Blossom*). 18 in. A dwarf and compact small-flowered white. Tr. pkt., 25c; ¼ oz., 85c.

AFFINIS

***Crimson Bedder.** 15 in. Compact in growth and very free flowering. Deep crimson-red. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

White. 36 in. Tall and large flowered. Tr. pkt., 15c; 1 oz., 60c.

Hybrids Mixture. A hybrid mixture of many shades in the tall large flowered type. Tr. pkt., 15c; 1 oz., 60c.

***Sensation Mixed.** (*Daylight Strain*). 24 in. The flowers of these new Nicotiana hybrids have the unique feature of remaining open all day, even in brilliant sunshine. They have the same delightful evening scent as the older types, while the colors range from white through many shades of cream and pink to purple and deep crimson. Plants are bushy in habit, making them ideal for bedding. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

NIEREMBERGIA

***Purple Robe.** 5500 seeds per ½ oz. A really first class bedding or edging plant. The 1 in. rich, bluish lilac flowers are lavishly produced on dwarf plants throughout the summer. Retains its brilliance without fading under strong sunlight. Tr. pkt., 50c; ½ oz., \$1.65; ¼ oz., \$3.00.

NIGELLA

Miss Jekyll (*Love-in-a-Mist*). 11,000 S. Cornflower-blue. Tr. pkt., 25c; 1 oz., \$1.00.

Mixture. Blue and white. Tr. pkt., 15c; 1 oz., 60c.

OXYPETALUM

Caeruleum (*Southern Star*). Grows about 8 in. tall with fuzzy grayish green leaves and 1-in. star-shaped flowers of contrasting clear azure-blue. Tr. pkt., 25c; ½ oz., 85c; ¼ oz., \$1.50.

MISCELLANEOUS ANNUALS—Continued



Nierembergia Purple Robe makes a grand bedding show combined with Dwarf Marigolds. See opposite page.

PANSIES

25,000 S. A January sowing of both Pansies and Violas will make nice flowering plants to sell out of flats or in made-up pans in late spring and early summer.

***Ball Giant Mixture.** This is our finest and most popular bedding Pansy mixture. We blend this ourselves, using the best available strains of Swiss Giants, adding separate varieties to insure a good balance of colors. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$8.00; 4 ozs., \$30.00.

***Ball Giant Mixture Dwarf Strain.** A fine Swiss Giant strain selected for dwarf and compact habit. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$8.00; 4 ozs., \$30.00.

Maple Leaf Giants. An excellent, extra large flowered strain. Heavy growth with good stems. Tr. pkt., 60c; ⅓ oz., \$1.50; ¼ oz., \$2.75; 1 oz., \$9.00.

***Canadian Giants.** This selection from Maple Leaf Giants contains some of the largest flowers in Pansies. Tr. pkt., 90c; ⅓ oz., \$1.75; ¼ oz., \$3.00; 1 oz., \$10.00.

***Engelmann's Giant Mixture.** A large flowered and brightly colored strain, many being penciled or veined. Fairly compact growth. We offer originator's seed only. Tr. pkt., 75c; ¼ oz., \$3.75; 1 oz., \$12.00.

Roggli Giant Mixture. A choice Swiss bedding strain, predominating in rich red and bronze shades. We supply only the originator's imported seed. Tr. pkt., \$1.00; ⅓ oz., \$3.00; ¼ oz., \$5.00; 1 oz., \$18.00.

America. An exceptionally free flowering mixture with medium sized blooms. Dwarf and extra early. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$9.00.

Geneva Giants. A choice American selected strain of Swiss Giants. Tr. pkt., 75c; ¼ oz., \$2.75; 1 oz., \$9.00.

Dwarf Geneva Giants. A dwarf selection of the above. Tr. pkt., 60c; ⅓ oz., \$1.25; ¼ oz., \$2.50; 1 oz., \$8.00.

Steele's Jumbo Mixture. We handle the originator's seed of this popular American strain. Tr. pkt., \$1.00; ⅓ oz., \$3.00; ¼ oz., \$5.00; 1 oz., \$16.00.

Improved Swiss Giants. Predominates in rich bronze and red shades. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$8.00.

Delft Blue. Porcelain blue; a much wanted and unusual color in Pansies. Good sized flowers. Tr. pkt., 75c; ⅓ oz., \$1.75; ¼ oz., \$3.00; 1 oz., \$10.00.

PANSIES—Continued

***Felix.** (New.) Many colors, all with vividly contrasting black-veined throats. Tr. pkt., \$1.00; ⅓ oz., \$3.00; ¼ oz., \$5.00.

***Butterfly Hybrids.** Ruffled 2½- to 3-in. flowers, including unusual apricot, terra cotta and rosy orchid shades, are freely produced on vigorous plants. Tr. pkt., \$1.00; ⅓ oz., \$3.25; ⅓ oz., \$5.75; ¼ oz., \$10.00; ½ oz., \$18.00; 1 oz., \$35.00.

***Ball Winter Flowering.** A tall growing winter cut-flower variety; at its best from a late summer sowing. Not for bedding. ½ tr. pkt., 60c; tr. pkt., \$1.00; ⅓ oz., \$2.50; ¼ oz., \$4.75.

SWISS GIANTS IN SEPARATE COLORS

Firebeacon. Brick-red.

***Coronation Gold.** The finest clear yellow.

***Lake of Thun.** Large flowered blue with darker center.

Alpenglow. Rich garnet-red.

Rhinegold. Large flowered yellow with dark center.

Berna. Dark velvety blue.

Mt. Blanc. Best clear white in the large-flowered Swiss type.

Giant Orange. Light orange; similar in color to Viola Apricot.

Prices above 8, each: tr. pkt., 75c; ⅓ oz., \$1.75; ¼ oz., \$3.00; 1 oz., \$10.00.

***Raspberry Rose.** Soft pink with contrasting velvety blotch in deeper tone. An entirely new color in Swiss Giant Pansies. Tr. pkt., \$1.00; ⅓ oz., \$2.25; ¼ oz., \$4.00; 1 oz., \$12.00.

PENTSTEMON (Beard Tongue)

Sensation Mixture. 55,000 S. 2 ft. Attractive bell-shaped flowers produced on good spikes in an exceptional range of colors. Much used for bedding or in borders. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

PEPPER, CHRISTMAS (Capsicum)

9,000 S. Sow April to June and carry along indoors for Christmas sales.

Ball Christmas Pepper. Compact plants with a profusion of cone-shaped fruit that is first green, later turning purple and then red. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

***Craigi Christmas Pepper.** Similar to Ball Christmas Pepper, but the plants are smaller leaved and rather flattened across the top with somewhat smaller fruit very freely produced well above the foliage. Fruit is first a clear even white, later turning a brilliant red. This fine strain is widely grown by many eastern pot plant growers. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

Petunias. See pages 2 to 7.

PHLOX DRUMMONDI

14,000 S. Annual Phlox are among our most showy bedding items and are more popular today than at any time in their past. Because they don't transplant well, seed should be sown direct in small pots or plant bands, or drilled outside.

GRANDIFLORA. 15 to 18 in. Fine, free flowering bedding and border material. Also nice for cutting.

***Chamois Rose.** Soft pastel chamois with white center.

Coccinea. Fiery red.

Isabellina. Creamy yellow.

Lilac with white eye.

***Rosea.** Medium rose-pink with dark center.

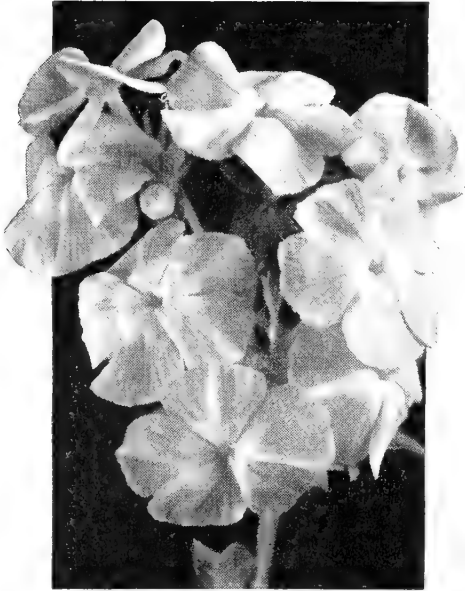
Violet. Try this with white or yellow.

***White.** A clear, even white.

Prices above 7, each: tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.40.

Special Mixture of all colors in this tall class. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.80.

MISCELLANEOUS ANNUALS—Continued



Extra large flowers of soft salmon-rose have made Phlox Salmon Glory a standout wherever grown.

PHLOX—Continued

Cuspidata Mixture (Star of Quedlinburg). A mixture of star-shaped flowers. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.80.

GRANDIFLORA GIGANTEA. Somewhat stronger in growth and larger flowered than the above.

***Red Glory**. A bright red with large contrasting white eye.

Rosy Morn. A particularly bright, clear rose-pink with large white eye.

Salmon Glory. Rich soft salmon-rose with white eye.

Art Shades Mixture. Large flowered mixture of pastel shades with white eyes.

Prices above 4, each: tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

NANA COMPACTA. 6 to 8 in. Of dwarf compact growth, fine for low bedding and border work.

***Fireball**. A real fiery crimson.

Sky Blue. Clear soft blue with white eye.

***Snowball**. Good clear white.

Violet. An attractive, rich color.

Prices above 4, each: tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

Mixture of all colors in this dwarf class. Tr. pkt., 30c; ¼ oz., 90c; 1 oz., \$2.80.

***Cecily Mixed**. A very popular semi-dwarf mixture. Tr. pkt., 30c; ¼ oz., 90c; 1 oz., \$2.80.

Pinks. See Dianthus, pages 28 and 44.

POPPY

ICELAND (P. Nudicaule). 250,000 S. The standard type for spring greenhouse forcing. Sow either direct or in pots and transplant.

The Emperor. Brilliant orange. Good flower size and long stiff stems. Tr. pkt., 25c; ¼ oz., 85c; 1 oz., \$2.50.

***Sanford's Giants**. A fine standard hybrid strain. Brilliant color mixture. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

SHIRLEY (P. Rhoeas). 70,000 S.

Sweet Briar. Deep rose-pink; fully double. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.00.

Formula Mixture of all colors in the single Shirley class. Tr. pkt., 15c; 1 oz., 50c.

Oriental Poppies. See page 47.

PORTULACA

280,000 S. Very excellent, easily grown outdoor bedding plant. Will flower 30 to 45 days from sowing in late spring or early summer.

Single Mixture. Tr. pkt., 20c; ¼ oz., 65c; 1 oz., \$2.25.

***Double Mixture**. Special mixture of brilliant colors. Produces 85 to 90% true double flowers. Tr. pkt., 30c; ¼ oz., \$1.00; 1 oz., \$3.50.

Single Jewel. Extra large flowers of glowing crimson-rose. Tr. pkt., 50c; ¼ oz., \$1.00; ¼ oz., \$1.80.

PRIMULA MALACOIDES

12,000 seeds per ½ oz. Seed may be sown from May until October for spring blooming in various sizes. Malacoides are easily grown after they get started, but **they will not tolerate fertilized soil in the seed flat or early stages of growth.**

No. 32 Glory of Riverside Imp. An excellent variety with beautiful salmon-rose flowers.

No. 33 New Giant. Large flowered, late salmon-rose.

No. 35 New Baby Imp. Deep pink shading to wine-red.

No. 41 White Giant. Pure white; large flowers and heavy stems.

No. 43 Brilliancy Imp. Flowers open lavender—turn to dark velvety red.

No. 51 Mrs. Eriksson of Riverside. Large flowers of deep rose-red on compact plants of medium height.

No. 62 Ball Lavender. Bright orchid-lavender. An improved Rosea Superba.

No. 63 Ball Deep Rose. Medium rose-pink.

No. 50 Mixture. Our own balanced formula mixture.

Prices above 9, each: tr. pkt., \$1.00; ¼ oz., \$2.75; ½ oz., \$5.00.

Double Mixture of many choice colors. Originator's tr. pkt. (1000 seeds), \$1.50.

PRIMULA OBCONICA

4000 seeds per ½ oz. This brightly colored class excels all other Primulas in large flower size. Sow from January on for Christmas and later.

***Fasbender's Red**. An outstandingly fine, extra large flowered deep crimson-red.

***Better Days**. Bright carmine-red.

Mohnstein's Atrosanguinea. Popular deep red.

***Mueller's Berlin Rose** (Mueller's Rosea). Soft medium rose. Heavy compact plants and large flowers.

Lachsrosa. Salmon-rose shades.

***Coerulea**. Clear mid-blue. A choice strain.

White. Rather tall growth.

***Formula Mixture**. Carefully blended from above colors.

Prices above 8, each: tr. pkt., \$1.25; ¼ oz., \$2.25; ½ oz., \$4.25.

Wyaston Wonder. A special selection of this famous English variety. Vigorous growing, large flowered bright crimson. Tr. pkt., \$1.25; ¼ oz., \$3.00; ½ oz., \$5.50.

PRIMULA CHINENSIS (Chinese Primula)

A popular class with many retail growers. Very colorful and showy. Sow from March on for Christmas and later.

Dazzler. Standard orange. Tr. pkt., \$1.50; ½ oz., \$5.60.

***Kardinal**. Vivid, intense orange. Improves Dazzler in depth and brilliance. Tr. pkts. only, \$1.50.

Special Mixture. A choice assortment of colors. Tr. pkt., \$1.00; ½ oz., \$3.60.

Hardy Primulas. See page 47.

MISCELLANEOUS ANNUALS—Continued

QUEEN ANNE'S LACE FLOWER

36,000 S. 24 in. Large heads of white flowers in umbels, similar to *Didiscus*. Nice filler for basket work. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

RANUNCULUS

Giant Hybrids Mixed. Double flowers in shades of yellow, orange and red. Tr. pkt., 50c; ¼ oz., \$1.00; ½ oz., \$1.75; 1 oz., \$5.25.

RICINUS (Castor Bean)

Very fast growing, tall, large-leaved plants. Good for tall hedges and windbreaks.

Crimson Spire. 75 S. 8 ft. Bronzy red foliage with crimson stems and red fruit. 1 oz., 40c; 4 ozs., \$1.40; 1 lb., \$4.20.

Zanzibariensis Mixed. 25 S. 10 ft. Foliage all green. 1 oz., 20c; 4 ozs., 60c; 1 lb., \$2.00.

RUDBECKIA

85,000 S. Fine outdoor cutting material. Very free flowering in bright yellow, orange and brown shades.

***Starlight.** The only *Rudbeckia* strain we have seen that actually produces fully double, Dahlia-like flowers. An attractive mixture of autumn shades flowering on long stems; flower type ranges from nearly single to fully double. Tr. pkt., 30c; ¼ oz., 90c; 1 oz., \$3.00.

SAINTPAULIA

Ionantha (African Violet). Deep blue. Extra fine seed that requires care in germinating. Uniform moisture, a 60° temperature and protection from bright sun are necessary in growing good Saintpaulias. Tr. pkt., \$1.50.

SALPIGLOSSIS

125,000 S. *Salpiglossis* furnishes the retail grower with good cutting material either from a January-February sowing indoors or a later one grown outdoors.

EMPEROR. 30 in. The tall kind for cutting.

***Mixture** of all colors. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., 90c.

DWARF GIANT FLOWERED. 20 in. Fine for bedding and borders.

Mixture of all colors in this dwarf class. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.35.

SALVIA

SPLENDENS (Scarlet Sage). 8,000 S. This strikingly colorful brilliant scarlet annual is popular wherever bedding plants are grown. The following are listed according to their flowering dates—earliest first. In selecting varieties, keep in mind the fact that earliness is had at some cost in vigor, and the earlier varieties will not make as big a showing in the fall as the later ones like *Bonfire* or *Splendens Tall*, but will bloom over a longer season.

***St. John's Fire.** The earliest and most dwarf variety available. About 12 in. high. Ours is an excellent strain. Tr. pkt., 75c; ⅛ oz., \$1.40; ¼ oz., \$2.50; ½ oz., \$4.25; 1 oz., \$7.50.

***Blaze of Fire.** The standard extra early strain. Closely follows *St. John's Fire* in flowering and is somewhat stronger and more robust in growth. 14 to 16 in. Tr. pkt., 75c; ¼ oz., \$2.00; ½ oz., \$3.50; 1 oz., \$6.00.

***Firebrand** (Early Harbinger). 18 in. Between *Blaze of Fire* and *America* in earliness of flowering. Remains in full flower throughout the summer. Tr. pkt., 75c; ¼ oz., \$2.00; ½ oz., \$3.50; 1 oz., \$6.00.

***America** (Globe of Fire). 20 in. This is our uniformly true and even stock of this fine variety. Follows *Firebrand* in flowering date. Tr. pkt., 50c; ¼ oz., \$1.35; 1 oz., \$4.75.

Salvias have come a long way since the original *Splendens*. Try the newer varieties.



Salvia St. John's Fire blooms continuously from early July until frost.

SALVIA—Continued

Bonfire. 26 in. Medium tall, very even. Tr. pkt., 50c; ¼ oz., \$1.35; 1 oz., \$4.50; 4 ozs., \$15.00.

Splendens Tall. 30 in. The original late flowering species. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50; 4 ozs., \$12.00.

FARINACEA (*Blue Salvia*). 24,000 S.

Blue Bedder. Medium blue in color and grows about 3 ft. tall with long stems for cutting. Tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$3.50.

***Royal Blue.** This is our own reselected strain grown especially for us from an entirely new selection. Color is a true deep blue—so much so that even the stems are a bluish gray. We highly recommend this. Tr. pkt., 50c; ¼ oz., \$1.35; 1 oz., \$4.50.

SANVITALIA

Procumbens. 50,000 S. 4 to 5 in. Double creeping Zinnia. Small golden yellow flowers. Very fine, dwarf edging plant. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

SAPONARIA

VACCARIA. 5500 S. Gypsophila-like flowers.

Rose

White

Prices above 2, each: 1 oz., 30c; 4 ozs., \$1.00; 1 lb., \$3.00.

Saponaria Ocymoides. See page 48.

SCABIOSA

4500 S. Pleasing colors and long stemmed, free flowering habit make annual *Scabiosa* a worth-while spring cut flower item when grown in a cool house. Sow directly in the open for summer cutting. No retail grower should be without some of this. The three listed on page 36 are our finest strains and biggest sellers.

Ageratum Blue. Large-flowered azure-blue.

Fire King. Bright scarlet.

King of the Blacks. Deep rich maroon.

***Loveliness.** Extra large flowered, deep salmon-pink.

Rosette. Deep rose suffused with salmon.

***Shasta Improved.** Fine pure white.

Prices above 6, each: tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

MISCELLANEOUS ANNUALS—Continued



Our special strain of Scabiosa Giant Hybrid Mixture contains only the newer large flowered varieties.

SCABIOSA—Continued

- ***Oxford Blue.** (New.) A deep, rich Campanula-blue—much darker than Ageratum Blue or Blue Moon. Extra large, fully double flowers on fine, long stems. Tr. pkt., 25c; $\frac{1}{4}$ oz., 75c; 1 oz., \$2.25.
- ***Blue Moon.** Fine lavender-blue color with extra large fully double flowers and long, wiry stems. The standard market color. Tr. pkt., 25c; $\frac{1}{4}$ oz., 75c; 1 oz., \$2.25.
- ***Giant Hybrid Mixture.** A special strain containing only the new large flowered varieties. Well-balanced in good flower colors. Use this mixture if you want only a small planting of Scabiosa for cutting. Tr. pkt., 20c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.00.

DWARF CLASS. For bedding and garden work. The stems are long enough for short-stemmed cut flowers and the shorter plants will hold themselves upright without support.

***Heavenly Blue.** Clear azure-blue. Tr. pkt., 25c; $\frac{1}{4}$ oz., 55c; 1 oz., \$1.75.

Peace. White. Tr. pkt., 25c; $\frac{1}{4}$ oz., 55c; 1 oz., \$1.75.

Tom Thumb Mixture. 10 in. Extra dwarf and compact plants for bedding and edging. Mixture of colors. Tr. pkt., 20c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.00.

Perennial Scabiosa. See page 48.

SCHIZANTHUS

60000 S. A January sowing will produce ready-to-cut plants for spring decorations. Sow September to November for larger pot plants and spring cut flowers.

***Ball Giant Flowered.** Extra large flowers (often 2 inches in diameter) and unusually brilliant colors are the outstanding points about this strain. Nice for cutting or makes a choice pot plant specimen. Tr. pkt., 75c; $\frac{1}{4}$ oz., \$2.00; $\frac{1}{2}$ oz., \$3.60.

***Ball Dwarf Mixture.** A distinctly dwarf growing strain with large compact heads of medium sized flowers. Makes an excellent pot plant. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.50; $\frac{1}{2}$ oz., \$2.50.

SCHIZANTHUS—Continued

Ball Brilliant Blend. A carefully blended mixture of fairly tall growing varieties recommended for the grower who grows a limited number of plants and wants a complete mixture. Tr. pkt., 35c; $\frac{1}{4}$ oz., 75c; $\frac{1}{2}$ oz., \$1.25.

Dr. Badger's Improved Hybrids. A brightly colored large-flowered strain of medium height. Suitable either for pots or cutting. Tr. pkt., 35c; $\frac{1}{4}$ oz., \$1.15.

***Giant Blotched.** Bright colored rose and pink shades, with contrasting dark centers. Somewhat earlier than most strains and a good pot plant if well pinched. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.25; $\frac{1}{2}$ oz., \$2.25.

Monarch Strain. An attractive mixture of bright golden rose colors. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.25; $\frac{1}{2}$ oz., \$2.25.

Pansy-Flowered Mixture. Flowers, flat and full petaled, resembling small Pansy flowers. Tr. pkt., 35c; $\frac{1}{4}$ oz., \$1.00; $\frac{1}{2}$ oz., \$1.80.

SHAMROCK

True Irish Shamrock. 38,000 S. Sow early January in Carnation house temperature (cooler after germination) for 2-inch St. Patrick's Day plants; use 3 or 4 seedlings per pot. Tr. pkt., 20c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.20.

SMILAX

4000 S. Well-known greenhouse climber. Tr. pkt., 35c; $\frac{1}{4}$ oz., 75c; 1 oz., \$2.25.

Snapdragons. See pages 10 and 11.

Snow-on-the-Mountain. See Euphorbia, page 45.

SOLANUM

Love Apple. An annual shrubby plant growing to 3-4 ft. with long branches of brilliant scarlet fruits about 1½ in. across. Decorative and of great material to cut for use in fall floral arrangements. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.50.

Christmas Cherries. See page 25.

Christmas Peppers. See page 58.

STATICE

30000 ATA. 150 seed heads per oz. This attractive annual is largely grown outdoors for cutting especially in southern localities, but a mid-winter sowing makes a nice late spring greenhouse crop.

***Market Grower's Blue.** Fine even deep blue. Excellent stock. Kampf's Tall Improved. The standard long-stemmed blue.

***Lavender Queen.** A very pleasing shade of pastel lavender. Fine color and dwarf flower.

Rosea Superba. 300000 lavender.

***Snow Witch.** A clear white selection from the old Sinuata white.

Hybrid Mixture. A very attractive mixture of all the standard colors.

Bonduelli Superba. 350 seed heads per oz. Similar in type to the Sinuata but with large yellow flowers.

Prices 1000 S. 100000 per pot, 15c; 1 oz., 45c; 4 oz., \$1.60; 1 lb., \$4.80.

***Superb Hybrids.** Contains a much more complete range of colors from warm thorough reds, pink, rose, and light blue than has ever before been possible. In addition most of the plants are larger and more compact. Tr. pkt., 50c; 1 oz., 95c; 4 oz., \$3.20; 1 lb., \$9.50.

Swallowtail. 30000 S. 100000 per pot. 12,000 S. A very useful seed for cut flowers. Seed sown in January will produce for use in late spring rose-pink "rat-tails" that work in combination with other flowers, etc., in late spring. Tr. pkt., 15c; $\frac{1}{4}$ oz., 40c; 1 oz., \$1.35.

MISCELLANEOUS ANNUALS—Continued



No retail grower should be without a planting of *Statice sinuata*. Market Grower's Blue is one of the best (see opposite page).

Perennial Statice. See page 48.

Stocks. See page 20.

Strawflower. See *Acroclinium*, page 22, and *Helichrysum*, page 30.

STRAWBERRY

Harzland (Runnerless). 90,000 S. Small red fruits are carried on fairly compact runnerless plants. Sow seed outside in early spring and carry plants through summer in open, potting in fall for Thanksgiving and Christmas pot plants. Tr. pkt., 50c; 1/16 oz., \$1.50.

STREPTOCARPUS

Giant Flowered Mixture (Cape Primrose). Our original stock of this winter flowering pot plant was grown by a European specialist; we are convinced no better is obtainable. Tr. pkt., \$1.00; 1/64 oz., \$2.75.

Sunflower. See *Helianthus*, page 30.

Sweet Peas. See pages 12 and 13.

THUNBERGIA

Alata (Black-Eyed Susan). 1100 S. Very fine, used as an annual climber or for hanging baskets, making a dense growth and producing an abundance of flowers in shades of yellow, buff and orange—with black centers. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00; 4 ozs., \$3.50.

***Gibsoni.** Flowers of a solid, deep luminous orange are twice the size of *Alata*. Tr. pkt., 75c; 1/4 oz., \$2.90.

TITHONIA

Avalon Earliest. Extra early flowering with large blooms of brilliant reddish orange produced on long stems. Sow right outdoors in spring for summer use or in late summer for winter greenhouse flowering. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.60.

Tobacco Plant. See *Nicotiana*, page 32.

TORENIA

375,000 S. Rich combination of deep blue with violet blotch on lip. Nice spring pot or outdoor bedding plant.

Fournieri Grandiflora. Standard variety.

Fournieri Compacta, Blue. A dwarf form of the above.

Fournieri Compacta, White. Dwarf white.

Prices above 3, each: tr. pkt., 35c; 1/8 oz., \$1.15; 1/4 oz., \$2.00.

VENIDIUM

Ball Hybrids. 65,000 S. An interesting array of colors ranging from silvery white through buff and orange shades. Tr. pkt., 50c; 1/4 oz., \$1.25; 1 oz., \$3.75.

VERBENAS

10,000 S. These always popular and colorful plants are widely used for bedding, window boxes and combinations. Germination is not rapid, so should be sown in soil temperature of 65° to 70°. Once established, 48° nights suits them nicely, but be sure to pinch them early to avoid straggly growth.

GRANDIFLORA. Low growing (under 1 ft.) and spreading in habit, with large flowers.

***Beauty of Oxford Hybrids.** A very choice vigorous growing strain with extra large flowers. Colors range from clear rose-pink to deep rose-red, all with slight white eye.

Blue. Deep marine shade with white eye. Prefer Royale.

***Crimson Glow.** Extra rich crimson without eye.

***Dannebrog.** A very attractive combination of bright scarlet with large white eye. Growth more compact than other *Grandifloras*.

Ellen Willmott. Extra large, salmon-rose; white eye.

Floradale Beauty. A vigorous grower with large flowers in shades of red and pink.

***Lavender Glory.** Very fine, large flowered lavender with white eye. About 75% true to type; balance white and purple.

Lucifer. Scarlet. We prefer Mounty.

Luminosa. Deep salmon shaded pink with white eye.

Mayflower. Shades of salmon-rose.

***Mounty.** A brilliant scarlet or cardinal-red with small light eye. Color deeper than Spectrum Red and stronger in growth.

***Pure White.** Very even strain.

Rosca Stellata. Clear deep pink with white eye. Quite free flowering and a strong grower.

***Royale.** Large flowered rich deep blue with creamy eye.

***Spectrum Red.** Very bright rich scarlet with no eye. Lighter and brighter color than *Crimson Glow*.

Mixture of all colors in the *Grandiflora* class.

Prices above 16, each: tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.60.

BUSH TYPE. 10 in. A very uniform semi-dwarf, but upright and vigorous type of growth. Flowers are carried above the foliage, adding much to the attractiveness of this new class.

***Giant Salmon Queen.** Large flowered bright coral-salmon with creamy white eye.

***Starlight.** Large flowers are a rich mid-blue with ivory-white eye. An excellent companion to *Salmon Queen*.

Prices above 2, each: tr. pkt., 50c; 1/4 oz., \$1.20; 1 oz., \$3.60.

Blue Sentinel. Bright blue with very little violet shading. Practically no eye. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

***Snowball.** Fine, free flowering pure white. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

UPRIGHT TYPE. 12 in. Somewhat taller and even more upright than the above class. Stems are long enough for limited cut flower use.

***Violet Bouquet.** Deep violet; distinct white eye. Upright symmetrical habit. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Royal Bouquet. A mixture of all colors in this upright type. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

MISCELLANEOUS ANNUALS—Continued

VERBENA—Continued

COMPACTA. 4 to 5 in. An extra dwarf type for border and pot work. Not suitable where summer heat is excessive.

Fireball. Bright, fiery scarlet, small flowers.

Mixture of all colors in this compact class.

Prices above 2, each: tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

MISCELLANEOUS VARIETIES.

Bonariensis, Tobaty. 3 ft. Single stems tipped with a cluster of small lilac flower heads. Has some cut flower value but shatters rather easily. Tr. pkt., 35c; ¼ oz., \$1.25; ½ oz., \$2.25.

***Venosa Lilacina.** 60,000 S. 8 to 10 in. A dwarf bedding Verbena that flowers continuously throughout our hot mid-Western summers. Deep lilac flowers produced quite freely. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.60.

VINCA

ROSEA (Periwinkle). 21,000 S. 15 in. One of the most generally satisfactory outdoor bedding plants we have. Will stand an almost unbelievable amount of hot, dry weather. Sow early with bottom heat.

***Twinkles.** Soft blush-pink with bright red eye.

***Pink.** The standard medium pink.

Crimson. Slightly darker than above.

Alba Pura. Pure white.

Alba Oculata. White with red eye.

Mixture of above colors.

Prices above 6, each: tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.80.

Viola. See page 48.

VIRGINIAN STOCK

Compacta Mixture. 60,000 S. 8 in. Nice compact bedding plant in shades of lilac, red and white. Tr. pkt., 15c; 1 oz., 65c.

VISCARIA

Loyalty. Fairly dwarf, 8-10 in. plants producing a wealth of single blue flowers about 1 in. across. Does best where summers are not too hot. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.40.

WALLFLOWER

Gold Standard. 14,000 S. Richly fragrant deep golden yellow. In our latitude should be sown in October for greenhouse flowering. Tr. pkt., 25c; ¼ oz., 85c.

Perennial Wallflower. See Cheiranthus, page 44.

Zinnias. See pages 16 and 17.



FOR YOUR CONVENIENCE

Haven't you often wished that you had all your GROWER TALKS copies conveniently bound together for easy reference? Here's your answer. This binder holds 24 issues in a metal frame with durable hard covers finished in imitation leather. Copies are easily inserted or removed. We will mail it postpaid for \$1.50. (Binder only.)

By the way—if you're not already a subscriber to GROWER TALKS, better let us put your name on our list. It's our monthly medium for suggesting timely sowing of essential crops, along with practical suggestions for growing them on. In addition it contains notes of general floricultural value. Over 8000 growers now receive it regularly. 60c per year; 2 years, \$1.00.

Florist Formula LAWN GRASS Seed



We believe florists are the most critical seed buyers in the world. Whether you sell or grow, we know you want the very finest Lawn Grass Seed. That's why we are offering these special mixtures blended by ourselves for the florists' trade only. We use only heavy weight seed of grasses that produce a deep rooted, permanent turf of lasting beauty. Figure 1 lb. of seed to sow 200 sq. ft.

For SUNNY LOCATIONS or SHADY LOCATIONS

In ordering, please specify which mixture you want. Prices are the same for both mixtures and are net—no cash discount.

SPECIAL DEALER OFFER (F.O.B. WEST CHICAGO)

4 1-lb. packages; retail for	\$ 4.00
4 3-lb. packages; retail for	12.00
8 5-lb. packages; retail for	40.00
16 packages	\$39.00. Retail for \$56.00

BULK PRICES

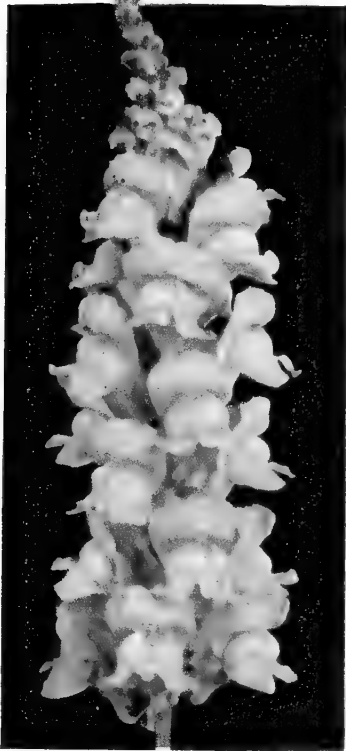
(F.O.B. WEST CHICAGO)
10 to 300 lbs.
69c per lb.

Write for prices on 300 lbs. or more.

PACKED IN FOLLOWING SIZES—DELIVERY PREPAID

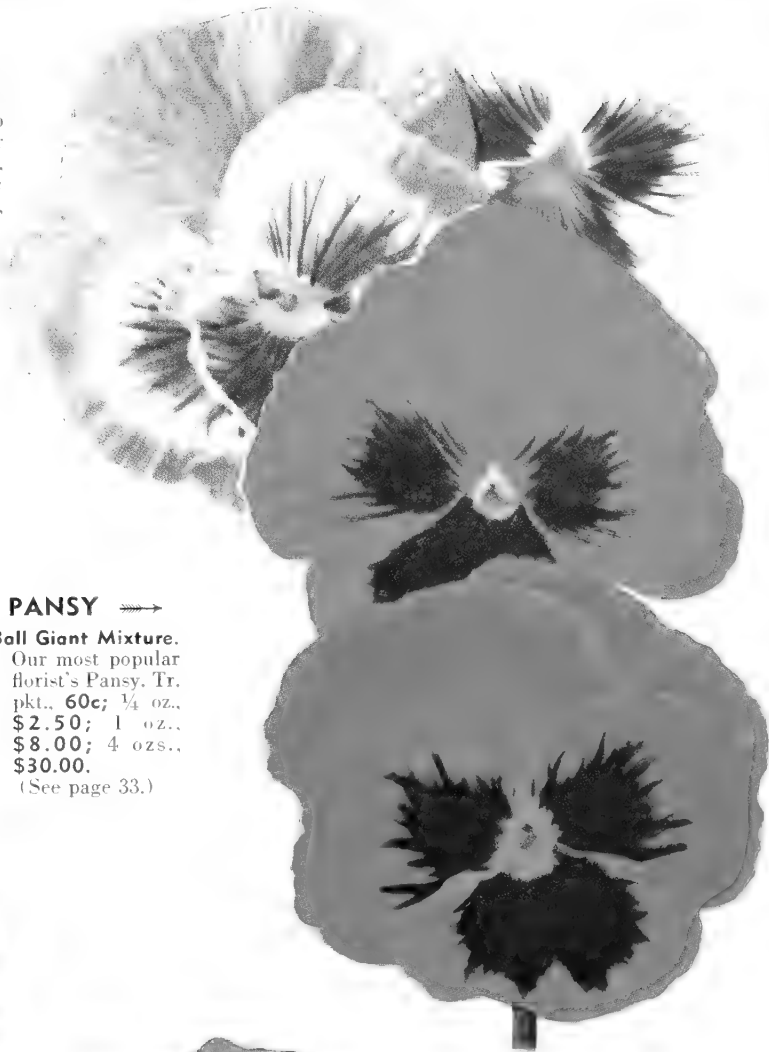
3 lbs.	\$3.00	10 lbs.	\$ 9.25	50 lbs.	\$45.00
5 lbs.	4.75	25 lbs.	22.50	100 lbs.	85.00

Profitable Annuals



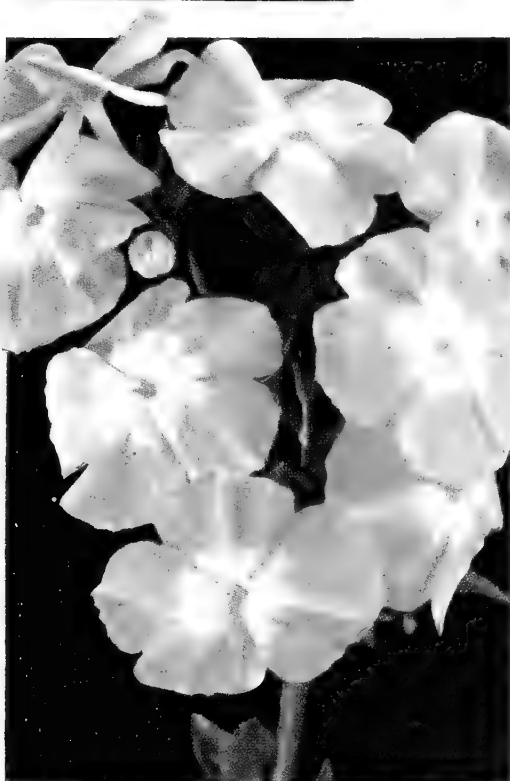
OUTDOOR SNAP

Rosalie. Finest deep rose for outdoor cutting. Tr. pkt., 25c; 1/4 oz., 45c; 1/4 oz., 80c; 1 oz., \$2.80.
(See page 11.)



PANSY →

Ball Giant Mixture. Our most popular florist's Pansy. Tr. pkt., 60c; 1/4 oz., \$2.50; 1 oz., \$8.00; 4 ozs., \$30.00.
(See page 33.)



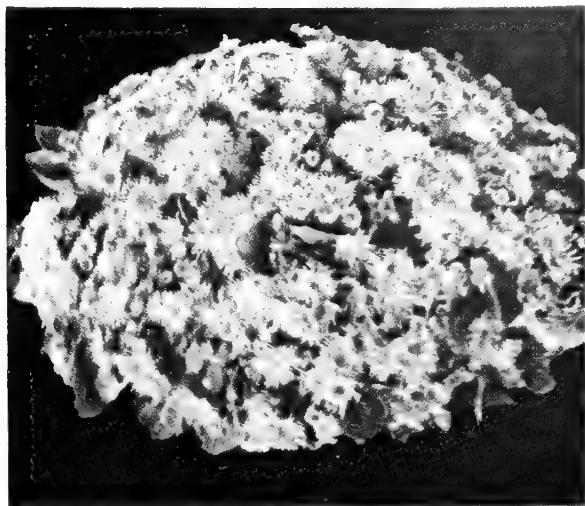
PHLOX

Salmon Glory. Large flowered and showy. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00. (See page 34.)



MARIGOLD

Naughty Marietta. Extra free flowering; grand for bedding. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75; 4 ozs., \$5.50.
(See page 9.)



AGERATUM

Blue Bedder. Our finest bedding Ageratum. Comes quite true from seed. Tr. pkt., 35c; $\frac{1}{8}$ oz., 85c; $\frac{1}{4}$ oz., \$1.50; 1 oz., \$4.50. (See page 22.)



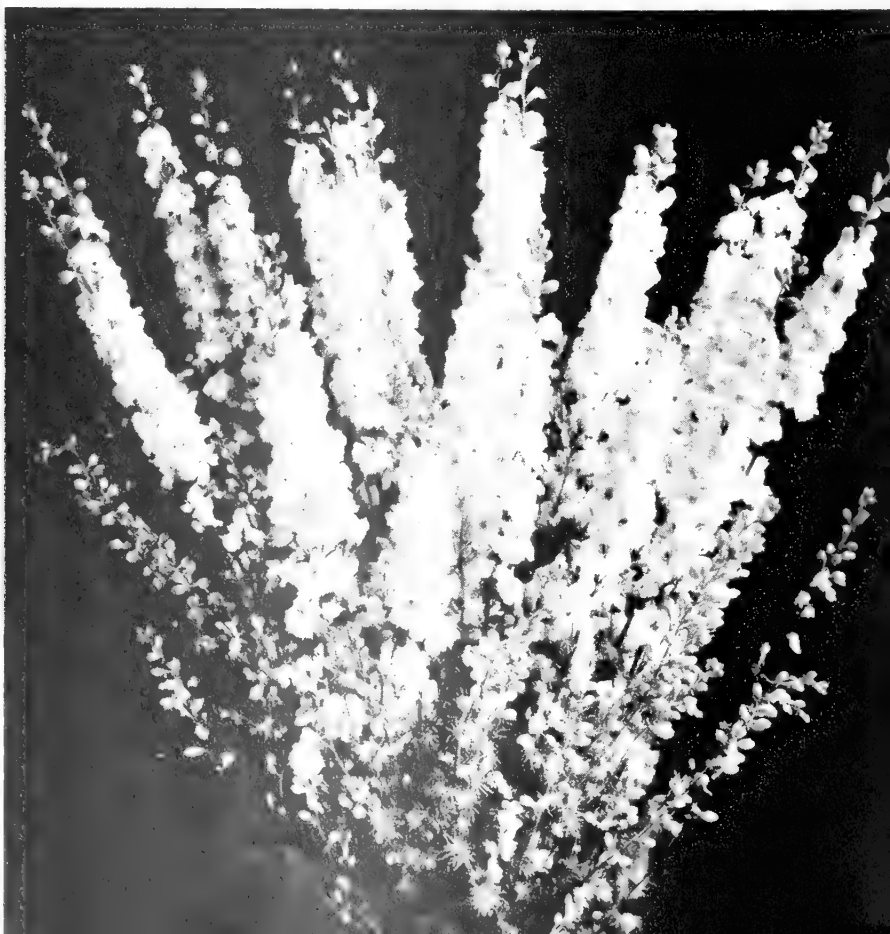
SALVIA

St. John's Fire. The earliest and most dwarf Scarlet Sage. Tr. pkt., 75c; $\frac{1}{4}$ oz., \$2.50; $\frac{1}{2}$ oz., \$4.25; 1 oz., \$7.50. (See page 35.)

Profitable Annuals

LARKSPUR

Super Majestic White. Longest stemmed, mostly fully double pure white. Tr. pkt., 35c; $\frac{1}{2}$ oz., 85c; 1 oz., \$1.50; 4 ozs., \$5.00; 1 lb., \$15.00. (See page 15.)



VERBENAS

Finest Grandiflora strains. Top to bottom: **Beauty of Oxford Hybrids.** Shades of medium to deep rose.

Pure White.

Royale. Deep blue; creamy eye.

Dannebrog. Finest red; white eye.

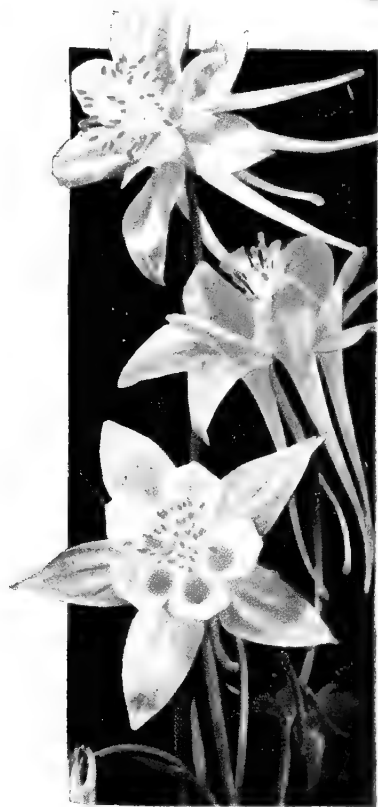
Prices above 4, each; tr. pkt., 35c; $\frac{1}{4}$ oz., 75c; 1 oz., \$2.60. (See page 37.)



PRIMULA VERIS

Colossea. A wide range of unusual colors is represented in this fine mixture. We offer only choice imported seed. Tr. pkt., \$1.00; $\frac{1}{8}$ oz., \$2.75; $\frac{1}{4}$ oz., \$5.00; 1 oz., \$15.00. (See page 47.)

Better Perennials



AQUILEGIA

Valuable cut flowers for retail growers.

Longissima Hybrids. Contains a wide range of soft, pastel colors. Flowers have extra long, 3- to 4-inch spurs. Tr. pkt., 50c; $\frac{1}{16}$ oz., \$2.00. (See page 43.)

DELPHINIUM →

V. & R. Giant Pacific Hybrids are the world's finest. (See page 14.)

All varieties at right, each:

Originators seed: $\frac{1}{2}$ tr. pkt., \$1.00; tr. pkt., \$1.75; $\frac{1}{8}$ oz., \$3.00; $\frac{1}{4}$ oz., \$5.00; 1 oz., \$18.00.

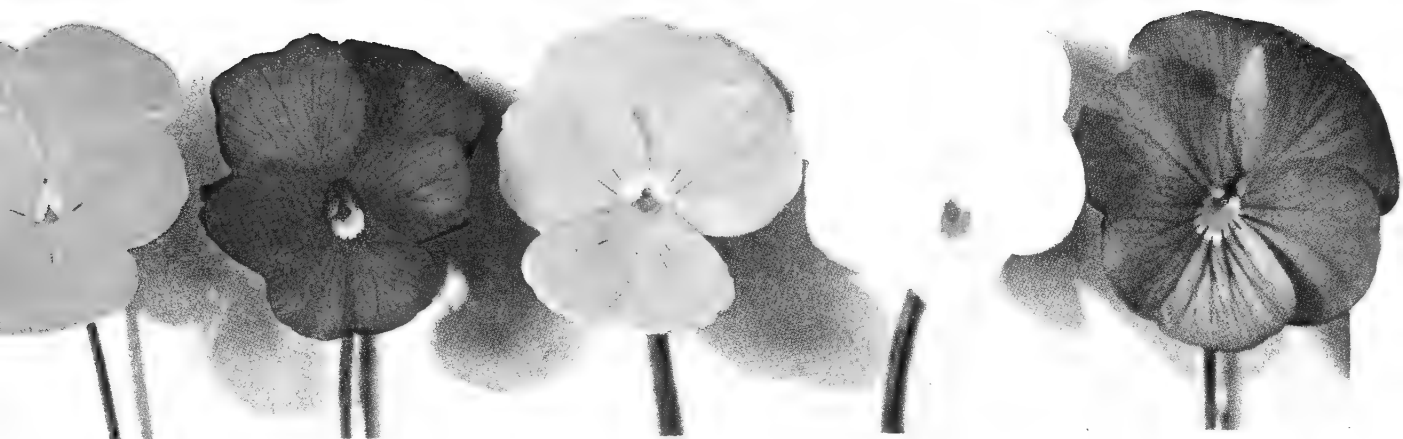
Grown from originator's seed: tr. pkt., \$1.25; $\frac{1}{8}$ oz., \$2.50; $\frac{1}{4}$ oz., \$4.00; 1 oz., \$14.00.



Cameliard; Summer Skies; Black Knight; Guinevere; V. & R. Delphinium

If you do a retail business, try forcing some Aquilegias. Grand for spring arrangements.

Better Perennials



VIOLAS

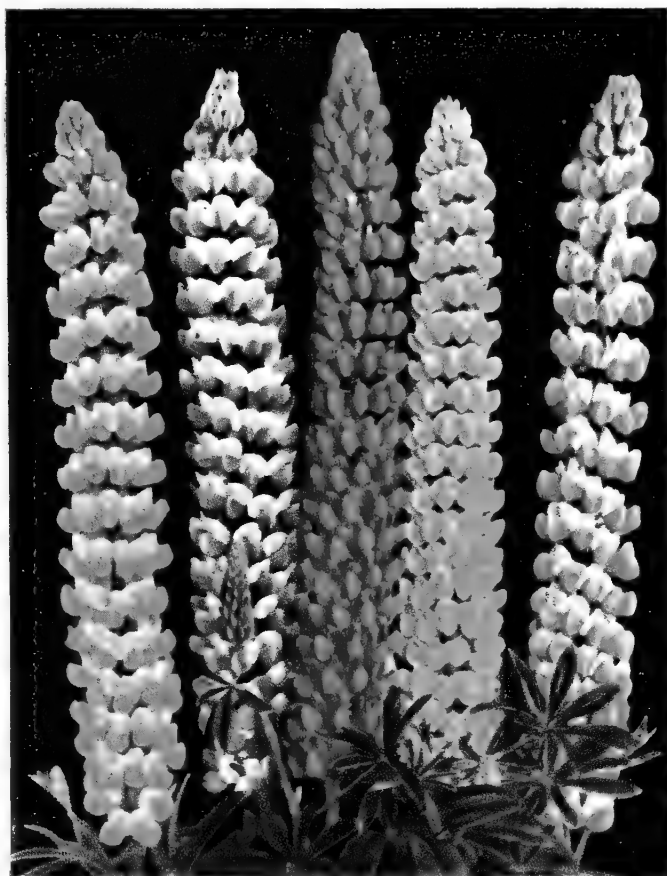
These miniature Pansies are extra free flowering, and perfectly hardy. (See page 48.)

Lutea Splendens	Blue Perfection	Chantreyland	White Perfection	Jersey Gem
Clear yellow. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$5.00.	Bright blue. Tr. pkt., 50c; 1/4 oz., \$2.00; 1 oz., \$6.00.	True apricot. Tr. pkt., 50c; 1/4 oz., \$2.00; 1 oz., \$6.00.	Pure white. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$4.00.	Orchid-violet. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.70.



PYRETHRUM

Double Mixture. Produces a varying percentage of crested flowers the second year. Tr. pkt., 50c; 1/4 oz., \$1.40; 1/2 oz., \$2.50; 1 oz., \$7.50. (See page 48.)



HARDY LUPINE

Russell Strain. Unusual colors, developed by a famous English specialist.
Reselected stock (originator's packets): 20 seeds, 30c; 65 seeds, 65c; 150 seeds, \$1.25; 350 seeds, \$2.50.
Grown from originator's stock: tr. pkt., 35c; 1/4 oz., 60c; 1 oz., \$2.00; 4 ozs., \$6.00. (See page 47.)

Miscellaneous Perennials

We recommend sowing perennials in spring. Germination will be better than during the heat of midsummer and the larger plants produced will winter over more satisfactorily. In addition, if sowing is done in January or early February, quite a few will bloom the first season.

We feel that every grower should include at least a few perennials in his outdoor planting. They get along admirably with little care, and many make really profitable cut flowers.

ACHILLEA

- ***Filipendula, Parker's Variety** (Cloth of Gold). 22,000 S. Large heads of golden yellow flowers on long stems; fine for cutting. Tr. pkt., 25c; 1/8 oz., 65c; 1/4 oz., \$1.20.
- ***The Pearl** (Ptarmica). 175,000 S. 30 in. The standard double white for cutting. Tr. pkt., 25c; 1/8 oz., 65c; 1/4 oz., \$1.20.

ACONITUM (Monks Hood)

- Napellus**. Dark blue; does best in partial shade. Tr. pkt., 25c; 1/4 oz., 75c.

ALYSSUM

The two varieties following are perfectly hardy with us and make fine, free flowering rock garden or border plants.

- ***Saxatile Compactum** (Gold Dust). 30,000 S. 12 in. Flowers early May. Rich golden yellow. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.
- Saxatile Silver Queen** (Sulphureum). 30,000 S. Same as above but a light lemon yellow. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

ANCHUSA

- Dropmore Strain**. (Italica). 1100 S. 5 ft. Nice blue for cutting. Tr. pkt., 15c; 1/4 oz., 20c; 1 oz., 60c.
- Myosotidiflora**. 10,500 S. 12 in. May flowering Forget-Me-Not blue. Seed should be placed in refrigerator for 72 hours before sowing. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25; 1 oz., \$8.00.

ANEMONE

- St. Brigid Mixed**. Choice long-stemmed mixture of brilliant colors. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.00.

ANTHEMIS

- Kelwayi** (Hardy Marguerite). 85,000 S. 3 ft. Yellow Daisy flowers produced throughout the summer. Tr. pkt., 15c; 1 oz., 65c.

AQUILEGIA (Columbine)

15,500 S. Though not well adapted for shipping, well grown Columbines are of definite cut-flower value for retail growers. Not at all difficult to force either. Pot up from the field the first year plants, storing in a cold house or frame until about February 1. Start in a low temperature, gradually increasing to around 50°.

- Alpina**. 18 in. Mid-blue, shaded purple. Short spurs. Tr. pkt., 25c; 1/4 oz., 85c; 1 oz., \$3.00.
- Coerulea** (Rocky Mountain Columbine). 18 in. Sky-blue with white corolla. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.50.
- Copper Queen**. 2 ft. Copper-red shades with straw-yellow corolla. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.75; 1 oz., \$8.25.
- ***Crimson Star Hybrids**. 18 in. About 90% dark red with white corolla. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.75.
- Longissima**. 2 ft. Delicate, pale yellow with extra long (4 in.) spurs. Tr. pkt., 50c; 1/16 oz., \$2.50; 1/8 oz., \$4.50.
- ***Longissima Hybrids**. 2 ft. A variety of attractive shades in this extra long-spurred class. Tr. pkt., 50c; 1/16 oz., \$2.00.
- Mrs. Nicholls**. 2 ft. A large flowered, clear deep blue Columbine. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25; 1 oz., \$8.00.
- ***Mrs. Scott Elliott's Hybrids**. 2 ft. An excellent and popular long-spurred mixture. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.50.

AQUILEGIA—Continued

- Rose Queen**. 18 in. Rose with white corolla. Tr. pkt., 35c; 1/4 oz., 70c; 1 oz., \$2.10.
- Snow Queen**. 2 ft. Pure white flowers. Tr. pkt., 25c; 1/4 oz., \$1.00; 1 oz., \$3.50.

***Long Spurred Mixture**. A well-balanced blend with large flowers and long spurs. Based on our trial ground observations, this is the preferred mixture. Tr. pkt., 25c; 1/4 oz., 85c; 1 oz., \$3.00.

ARABIS (Rock Cress)

150,000 S.

- ***Alpina Snowcap**. 6 in. Dwarf compact plants with dense masses of shining snow-white flowers. Blooms very early in spring. Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.50.
- Alpina**. 12 in. White. Tr. pkt., 25c; 1/4 oz., 55c; 1 oz., \$1.80.
- Spring Charm** (Blepharophylla). Carmine-red. Tr. pkts. only, 50c.

ARMERIA

- Formosa, Large-Flowered Hybrids**. Tr. pkt., 35c; 1/8 oz., 70c; 1/4 oz., \$1.30; 1 oz., \$3.90.

***Glory of Holland**. Ball-shaped deep pink flowers about 1 1/2 inches in diameter are carried on straight wiry stems 2 feet long. Fine for cutting and blooms throughout the summer. Tr. pkt., 50c; 1/8 oz., \$2.00.

- Maritima** (Statice Armeria). 17,500 S. 12 in. Lilac-rose. Grass-like, evergreen foliage. Tr. pkt., 50c; 1/8 oz., \$1.50.

ASCLEPIAS

- Tuberosa**. 4500 S. Fine orange for cutting. Requires well-drained location. Freezing over winter helps germination. Tr. pkt., 25c; 1/4 oz., 85c; 1 oz., \$2.75.

ASTER

- Hardy Large-Flowered Mixture**. Perfectly hardy and attractive assortment. Tr. pkt., 50c; 1/8 oz., \$1.10; 1/4 oz., \$2.00.
- Alpinus, Finest Mixed**. Lavender, blue and white flowers. Tr. pkt., 50c; 1/8 oz., \$1.00.

AUBRIETIA

- Large-Flowered Hybrids** (Monarch Strain). 150,000 S. 6 in. Low growing mat-like plants; similar to Arabis but with flowers in a wide range of colors from lilac to purple. Tr. pkt., 50c; 1/8 oz., \$1.00.

- Hendersoni**. Deep purple. Tr. pkt., 50c; 1/8 oz., \$1.00.
- Leichtlini**. Carmine-rose. Tr. pkt., 50c; 1/8 oz., \$1.00.
- Baby's Breath**. See Gypsophila, pages 30 and 45; also Euphorbia Corollata, page 45.

BAPTISIA

- Australis** (False Indigo). 1700 S. Sprays of pea-shaped indigo-blue flowers. 3 ft. Tr. pkt., 25c; 1 oz., 75c.

MISCELLANEOUS PERENNIALS—Continued

BELLIS

PERENNIS. This popular double English Daisy is much used for spring and early summer bedding. Though a perennial, it is commonly grown as an annual like Pansies.

Red Rose White
Prices above 3, each: tr. pkt., 50c; 1/8 oz., \$2.00; 1/4 oz., \$3.50.
Mixture. Tr. pkt., 50c; 1/8 oz., \$1.80; 1/4 oz., \$3.20.

BOCCONIA

Japonica (Plume Poppy). Huge spikes of creamy white flowers on 6-ft. plants. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

BOLTONIA

Latisquama. 95,000 S. 4 to 5 ft. Aster-like perennial with flowers of delicate pink about 1 in. across. Tr. pkt., 25c; 1/4 oz., \$1.00; 1 oz., \$3.00.

BROOM

Hybrids Mixed. 5500 S. 4 to 5 ft. Vigorous, hardy shrubs in a range of bright colors including all shades of pink, orange, terra cotta and crimson. Flowers second season from seed. Tr. pkt., 40c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

CAMPANULA

CARPATICA. 350,000 S. 12 in. Perennial. Wide, upright cup-shaped flowers are borne on slender erect stems. Plants are leafy clumps.

Blue. Tr. pkt., 25c; 1/8 oz., 75c; 1/4 oz., \$1.35.

***Hybrid Mixture.** Contains many new colors in this dwarf class. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.70.

MEDIUM CALYCANTHEMA. (Cup-and-Saucer Type.) 120,000 S. 3 ft. Biennial. Both this and the following (Medium Single) are easily forced for spring greenhouse flowering either as pot plants or for cutting.

Dark Blue Light Blue Rose White Mixture
Prices above 5, each: tr. pkt., 20c; 1/4 oz., 50c; 1 oz., \$1.60.

MEDIUM SINGLE (Canterbury Bells). 135,000 S. 3 ft. Biennial.

Dark Blue Light Blue Pink White Mixture
Prices above 5, each: tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

PERSICIFOLIA. 340,000 S. 30 in. Perennial. 1-in. bell-shaped flowers on stiffly erect stems. 15-in. spikes.

White Blue (Princess Royal) Mixture
Prices above 3, each: tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.
Telham Beauty. 30 in. Large bells of China-blue. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

PYRAMIDALIS (Chimney Campanula). 250,000 S. 5 ft. Perennial.

Mixture. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

Perennial Candytuft. See Iberis, page 46.

CARNATION

GRENADIN (Hardy Carnation). 14,000 S. 20 in. Good for cutting. **King of the Blacks.** Darkest red.

Golden Sun *Pink *Red White *Mixture
Prices above 6, each: tr. pkt., 50c; 1/4 oz., \$2.50; 1 oz., \$8.00.

Annual Carnations. See page 24.

CATANANCHE

Coerulea. 16,000 S. 24 in. Nice everlasting for cutting, with light lavender-blue, Centaurea-like flowers produced freely first year from seed. Tr. pkt., 25c; 1/4 oz., 45c; 1 oz., \$1.50.

CENTAUREA

Montana. 1600 S. 24 in. Large cornflower-blue flowers. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.20.

Centaurea Cyanus. See page 25.

CERASTIUM

***Tomentosum** (Snow-in-Summer). 42,000 S. 10 to 12 in. An excellent dwarf bedding perennial with silvery white foliage and small white flowers. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

CHEIRANTHUS (Wallflower)

***Golden Bedder.** 19,000 S. 18 in. Large, deep golden yellow. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

Allioni (Siberian Wallflower). 19,000 S. 18 in. Free flowering brilliant orange. Tr. pkt., 10c; 1 oz., 35c.

Annual Wallflower. See page 38.

CHRYSANTHEMUM

***Glory Mixture.** Our finest mixture of hardy Chrysanthemums with an exceedingly wide range of brilliant colors. Contains Korean and Arcticum Hybrids as well as Azaleamums, Indicum and Morfoliums. Tr. pkt., 75c; 1/8 oz., \$2.20; 1/4 oz., \$4.00.

Korean Hybrids. 60,000 S. Single and semi-double types in a good color range. Some of these bloom rather late for localities with early frost dates. Tr. pkt., \$1.00; 1/8 oz., \$2.75; 1/4 oz., \$5.00.

CLEMATIS

Paniculata. 10,000 S. White-flowered climber. Tr. pkt., 70c; 1/8 oz., \$1.40; 1/4 oz., \$2.50.

Recta, Mandschurica. 5000 S. Panicles of fragrant white flowers on 4- to 5-ft. plants. Tr. pkt., 70c; 1/8 oz., \$1.40; 1/4 oz., \$2.50.

COREOPSIS

The long, graceful stems and rich, golden yellow color give this plant real value for cutting. We find it best treated as a biennial.

***Sunburst** (New Gold). 11,000 S. 24 in. A fine semi-double strain, with 2-in. golden yellow flowers. Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., \$1.00.

Mayfield Giant. 11,000 S. 30 in. Extra large deep golden yellow. Single. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

DAISY, SHASTA

(Chrysanthemum Maximum)

***G. Marconi.** The largest flowered and finest double Shasta Daisy strain. Long-stemmed. Originator's seed: tr. pkt., 50c; 6 tr. pkts., \$2.50. Regular stock: tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.75.

Double Fringed (Diener's). 18,000 S. A specially reselected strain producing about 50% good double types that should be propagated by division. Tr. pkt., 50c; 1/16 oz., \$1.25; 1/4 oz., \$4.00.

June Marguerite. 40,000 S. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.25.

***Mayfield Giant.** 21,000 S. Quite large flowered, end of June.

Alaska. 21,000 S. The standard Shasta Daisy. July.

Conqueror. 21,000 S. Giant late white. Late July.

Prices above 3, each: tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

Delphinium. See page 14.

DIANTHUS

28,000 S. Easily grown from seed and flowers the second season from sowing. Germinates best in soil temperature of 65° to 75°.

Allwoodi Alpinus Mixed. (8 to 10 in.). 1 1/2-in. single flowers in shades of pink. Early June. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50.

MISCELLANEOUS PERENNIALS—Continued

DIANTHUS—Continued

Deltoides Erecta. 6 in. June flowering. A dwarf red "Maiden Pink." Tr. pkt., **35c**; 1/8 oz., **90c**; 1/4 oz., **\$1.50**.

***Latifolius Atrococcineus.** 12 to 15 in. Miniature Rose-like flowers. Bright crimson. Tr. pkt., **35c**; 1/8 oz., **90c**; 1/4 oz., **\$1.50**; 1 oz., **\$4.50**.

Winteri. Large single flowers in a rich mixture of pure colors are borne on compact 9-in. plants. Long blooming period. Tr. pkt., **50c**; 1/8 oz., **\$1.50**.

PLUMARIUS (Clove Pink).

Cyclops. Deep rose with crimson ring. Tr. pkt., **35c**; 1/4 oz., **\$1.00**.

Double Mixture (Scoticus Florist Strain). Various shades of pink, rose, salmon and white; some self colors, others with bright crimson zone. 1 1/2- to 2-in. flowers on 12- to 15-in. stems. Tr. pkt., **35c**; 1/8 oz., **90c**; 1/4 oz., **\$1.50**; 1 oz., **\$4.50**.

Single Mixture. 20 in. Free flowering, and sweet scented. Tr. pkt., **15c**; 1/4 oz., **40c**; 1 oz., **\$1.35**.

BARBATUS (Sweet William). 24 in. Early June flowering. Perfectly hardy, flowering second season from seed. All of the following varieties are single.

***Holborn Glory.** Striking combination of crimson with white.

***Newport Pink** (Pink Beauty). A particularly rich pastel salmon-rose shade. Very attractive.

Purple Beauty. A rich deep color.

Scarlet Beauty. Well named, intense scarlet-red.

Giant White. Ours is an extra large-flowered strain.

Single Mixture.

***Double Mixture.**

Prices above 7, each: tr. pkt., **30c**; 1/4 oz., **75c**; 1 oz., **\$2.40**.

***Single Midget Mixed.** Very fine neat alpine and rock plant. 6 to 8 in. with dense heads of single Sweet William flowers. Tr. pkt., **50c**; 1/4 oz., **\$1.50**; 1 oz., **\$4.50**.

***Double Midget Mixed.** 6 to 8 in. Like above except flowers are double. Tr. pkt., **35c**; 1/4 oz., **85c**; 1 oz., **\$3.00**.

Annual Dianthus. See page 28.

DICENTRA

Spectabilis (Bleeding Heart). 6000 S. 32 in. Rosy red flowers. Tr. pkt., **\$1.00**; 1/16 oz., **\$1.75**; 1/8 oz., **\$3.25**.

Eximia (Plumy Bleeding Heart). 16,000 S. Dwarf, 12 in. Rose-pink. Tr. pkt., **35c**; 1/4 oz., **\$1.00**.

DICTAMNUS

Fraxinella (Gas Plant). 1700 S. 30 in. Pink with dark veins. Tr. pkt., **25c**; 1/4 oz., **50c**; 1 oz., **\$1.75**.

DIGITALIS

GLOXINOIDES (Foxglove). 180,000 S. 4 ft. Biennial. This is an extra large flowered strain.

Purple **Rose** **White** **Giant Shirley Mixture**
Prices above 4, each: tr. pkt., **20c**; 1/4 oz., **60c**; 1 oz., **\$2.00**.

ECHINOPS

Ritro (Globe Thistle) Metallic blue flower heads 2 in. across are borne on 2- to 3-ft. plants. Can be dried for winter bouquets. Tr. pkt., **35c**; 1/4 oz., **\$1.00**; 1 oz., **\$3.00**.

Edelweiss. See *Leontopodium*, page 46.

EUPHORBIA

Corollata (Wild Baby's Breath). 8700 S. 24. Small Gypsophila-like white flowers. Tr. pkt., **35c**; 1/4 oz., **\$1.25**; 1 oz., **\$4.25**.

Myrsinites. Attractive succulent-like silvery green foliage. Each branch produces a brilliant yellow bract of leaves in May. 6-8 in. tall. Tr. pkt., **35c**; 1/8 oz., **\$1.00**.

Polychroma. 15 to 18 in. Bushy plants with bracts of bright yellow changing to rosy bronze. Tr. pkt., **50c**; 1/16 oz., **\$1.35**.

Feverfew. See *Matricaria*, page 47.

Foxglove. See *Digitalis*, this page.

GAILLARDIA

GRANDIFLORA. 9500 S. The following strains, except Goblin, are excellent cut flower sorts.

***Dazzler.** The standard fine cutting strain. Golden yellow with maroon center.

***Monarch Strain.** A superior mixture of large, full-petaled flowers in various red and yellow combinations.

Prices above 2, each: tr. pkt., **25c**; 1/4 oz., **50c**; 1 oz., **\$1.75**.

***Burgundy.** Deep shade of wine-red. Tr. pkt., **25c**; 1/4 oz., **75c**; 1 oz., **\$2.25**.

Portola Hybrids Mixed. Large maroon-red flowers tipped with yellow. Tr. pkt., **25c**; 1/4 oz., **50c**; 1 oz., **\$1.75**.

Goblin. Forms very attractive compact plants with red and yellow bicolored flowers. Quite free flowering. Tr. pkt., **25c**; 1/4 oz., **65c**; 1 oz., **\$2.25**.

Aurea Pura. Pure yellow. Tr. pkt., **25c**; 1/4 oz., **60c**; 1 oz., **\$1.80**.

Annual Gaillardia. See page 29.

Gas Plant. See *Dictamnus*, this page.

GEUM

7000 S. The following two provide nice cut flower material and are perfectly winter hardy with some protection.

Lady Stratheden. 24 in. Double golden yellow.

Mrs. Bradshaw. 24 in. Double glowing red.

Prices above 2, each: tr. pkt., **25c**; 1/4 oz., **50c**; 1 oz., **\$1.75**.

GILIA

Coronopifolia (Standing Cypress). Heads of scarlet flowers on 5-ft. plants. Biennial. Tr. pkt., **30c**; 1/8 oz., **60c**; 1/4 oz., **\$1.00**.

GYPSOPHILA

34,000 S. Valuable for outdoor summer cutting and easily and economically grown.

***Pacifica.** 42 in. Starry pink flowers in September and October. Tr. pkt., **25c**; 1/4 oz., **80c**; 1 oz., **\$2.75**.

***Oldhamiana.** 30 in. Feathery light pink flowers with silvery foliage. Blooms first year from an early sowing. October flowering—watch frost dates. Tr. pkt., **25c**; 1/4 oz., **65c**; 1 oz., **\$2.25**.

PANICULATA. The regular white hardy Gypsophila. Note that double grafted varieties like Bristol Fairy are not available from seed. Write us for prices on Bristol Fairy plants.

***Double Snow Flake.** 40 in. An improved double hardy Gypsophila. About 50% are double flowering plants. Tr. pkt., **35c**; 1/4 oz., **\$1.35**; 1 oz., **\$4.50**.

Single White. 40 in. Tr. pkt., **15c**; 1 oz., **40c**; 4 ozs., **\$1.35**.

REPENS. 6 in. An attractive, hardy rock garden plant.

Rose. Tr. pkt., **25c**; 1/4 oz., **80c**; 1 oz., **\$2.40**.

Annual Gypsophila. See page 30.

HELIANTHEMUM

Mutabile (Sun Rose). 15,000 S. 8 to 10 in. Very attractive dwarf evergreen rock plant completely covered with blooms in mixed colors during July and August. Tr. pkt., **20c**; 1/4 oz., **40c**; 1 oz., **\$1.35**.

HELLEBORUS

Niger (Christmas Rose). Attractive 2 1/2-in. white flowers; basal foliage. Seed should be frozen before sowing. Tr. pkt., **35c**; 1/8 oz., **75c**; 1/4 oz., **\$1.35**.

MISCELLANEOUS PERENNIALS—Continued

HESPERIS

MATRONALIS (Sweet Rocket). 15,000 S. Sweet-scented flowers on 3-ft. plants.

Violet **White**
Prices above 2, each: tr. pkt., 15c; ¼ oz., 30c; 1 oz., 90c.

HEUCHERA (Coral Bells)

SANGUINEA. 750,000 S. 24 in.

Splendens. Crimson.

Hybrida Mixed. Shades of red through rose to white.

Prices above 2, each: tr. pkt., 50c; ¼ oz., \$1.75; ½ oz., \$3.00.

HIBISCUS

Mallow Marvels Mixed. 4 ft. Ours is a very showy extra large flowered strain. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.20.

HOLLYHOCK

Imperator Improved. 2700 S. Choice double crested "Tuberous Begonia Flowered" mixture. Tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.80.

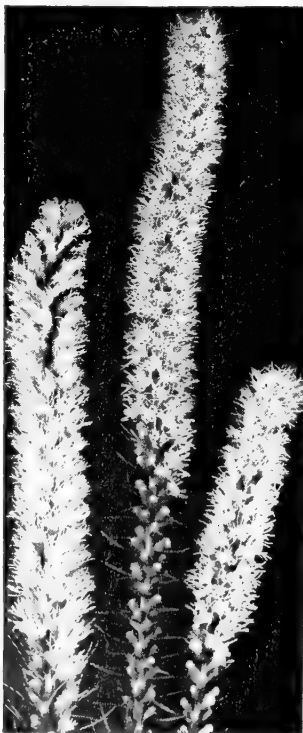
Allegheny Mixed. 2700 S. Single and semi-double types. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

Triumph. Extra large, fully double flowers in unusual, delicate art shades. Most blooms are attractively fringed. May be handled as an annual—if sown indoors in February and transplanted to the open in spring, all plants will flower nicely the same summer. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.50.

CHATER'S DOUBLE. 3100 S. The standard double.

Chamois **Deep Rose** **Lilac Beauty** **Newport Pink** **Scarlet**
Sulphur Yellow **White** **Mixture**

Prices above 8, each: tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.50.



Liatis Pycnostachya

IBERIS (Hardy Candytuft)

11,500 S.

Gibraltarica. 12 in. Large-flowered lilac. Tr. pkt., 20c; ¼ oz., 45c; 1 oz., \$1.40.

Sempervirens. 12 in. White flowers in late May. Seedlings flower second season. Tr. pkt., 50c; ¼ oz., \$1.25; 1 oz., \$4.50.

Jucunda. 4 in. Pink flowers. Tr. pkt., 50c.

INCARVILLEA

Grandiflora Brevipes. 6000 S. Brilliant dark rose flowers. Tr. pkt., 50c; ½ oz., \$1.00.

IRIS

Dichotoma (Vesper Iris). Assorted colors; fragrant. Tr. pkt., 30c; ¼ oz., 65c; 1 oz., \$2.00.

LATHYRUS

LATIFOLIUS (Hardy or Everlasting Sweet Pea). 500 S. Abundant source of short-stemmed flowers. 7 ft.

Pink Beauty **White Pearl** **Red** **Mixture**
Prices above 4, each: tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

LAVANDULA

(32,000 S.)

***Munstead Strain**. 12 in. Freely produces large sweet-scented flowers a month earlier than the common Lavender. An improved Vera. Tr. pkt., 35c; ¼ oz., \$1.00.

LEONTOPODIUM

Alpinum (Edelweiss). 275,000 S. Attractive rock garden plant. Small greenish white leaves. Tr. pkt., 50c; ¼ oz., \$1.00; ½ oz., \$1.80.

LIATRIS (Gay Feather)

9500 S. Excellent cut flowers with long, decorative, bold spikes. All are easily grown.

***Pycnostachya**. Extra long-stemmed—3 to 5 ft. with long 15- to 18-inch flower spikes of rosy purple. Finest cut flower kind.

Scariosa. 4 ft. Extra large individual flower heads of rosy purple are carried on long, loosely set spikes.

Spicata. Not quite so long-stemmed or with as long flower spikes as Pycnostachya; purple. Prefers a damp low location.

Prices above 3, each: tr. pkt., 30c; ¼ oz., 90c; 1 oz., \$2.70.

***Scariosa White**. A very fine pure white. Long spikes.

***September Glory**. Tall growing with purple spikes.

Kobold. (New.) This Hybrid Liatris is non-branching, forming only one rich lilac-purple spike about 20 inches in length. Starts to flower at top.

Prices above 3, each: tr. pkt., 50c; ¼ oz., \$1.80; 1 oz., \$5.40.

LILIES

***White Queen**. 8300 S. This is the largest and finest seed propagated Lily we know of. Produces a plentiful quantity of real quality flowers in 16-18 months from seed. Pure white. ½ tr. pkt., 60c; tr. pkt., \$1.00; ½ oz., \$2.50; ¼ oz., \$4.50.

Candidum (Madonna Lily). Tall pure white. Tr. pkt., \$1.00; ½ oz., \$2.75; ¼ oz., \$5.00; 1 oz., \$15.00.

Formosanum, Giant Flowered. 8200 S. An improved form of Philippine Lily. White flowers. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.50; 4 ozs., \$12.00.

Henryi. Orange, spotted brown. Seed should be frozen in flats for four weeks at about 30° for best germination. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

Regale (Regal Lily). 6500 S. The large, showy flowers are pure white inside with yellow base; reverse of petals is tinged with pink. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50; 4 ozs., \$5.00.

Tenuifolium (Coral Lily). Freely produces medium sized flowers of brilliant coral-red. 18 to 20 in. tall. May flowering. Tr. pkt., 35c; ¼ oz., 75c.

LINUM

Perenne (Perennial Flax). 8500 S. 2 ft. Attractive blue flowers on slender stems. Tr. pkt., 15c; 1 oz., 50c.

Flavum. Yellow. Tr. pkt., 25c; ¼ oz., 75c.

Narbonense. 2½ ft. Azure-blue flowers with white eye. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.25.

LOBELIA

Cardinalis (Cardinal Flower). 725,000 S. 36 in. Bright cardinal-red. Tr. pkt., 35c; ¼ oz., \$1.20; 1 oz., \$3.60.

Note that we pay postage on ALL seed orders.

MISCELLANEOUS PERENNIALS—Continued

LUNARIA

BIENNIS (Honesty or Money Plant). 1500 S.

White

Mixture

Prices above 2, each: tr. pkt., **25c**; ¼ oz., **35c**; 1 oz., **\$1.25**.

LUPINE

POLYPHYLLUS (Hardy Lupine). Fine for cutting. Requires a well-drained location and thrives best in cool climate.

***Russell Strain.** 1000 S. Long, closely set spikes of extra large florets in rich self colors and unusual bicolors. Developed by a famous English specialist.
Reselected Stock (Originator's packets): 20 seeds, **30c**; 65 seeds, **65c**; 150 seeds, **\$1.25**; 350 seeds, **\$2.50**.
Grown from Originator's Stock: tr. pkt., **35c**; ¼ oz., **60c**; 1 oz., **\$2.00**; 4 ozs., **\$6.00**.

MISCELLANEOUS POLYPHYLLUS VARIETIES. 1450 S.

Dark Blue. Tr. pkt., **15c**; ¼ oz., **35c**; 1 oz., **\$1.15**.

Rose. Tr. pkt., **35c**; ¼ oz., **60c**; 1 oz., **\$1.80**.

White. Tr. pkt., **20c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

***Harkness Regal Mixture.** The standard fine hybrid mixture. Tr. pkt., **20c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

LYCHNIS

Chalcedonica (Maltese Cross). 64,000 S. 36 in. Scarlet. Tr. pkt., **25c**; ¼ oz., **40c**; 1 oz., **\$1.25**.

MATRICARIA

CAPENSIS (Feverfew). 145,000 S. 18 in. grown outside; 3 to 5 ft. when grown in greenhouse. Sowings made during January will provide a welcome cut the same summer.

***Ball Double White Improved.** This strain has been carefully reselected for fully double flowers, and our own trials show it to be well over 90% true, double imbricated blooms. Nearly all of the single and anemone types have been removed, and we can assure our many friends that this is identical to our well known strain that was so popular before the war. Tr. pkt., **50c**; ½ oz., **\$1.00**; ½ oz., **\$3.60**.

Double and Semi-Double White. About 40% of this strain is double—the balance are anemone flowered with some singles. This is the strain commonly offered as "Double Feverfew." Tr. pkt., **35c**; ½ oz., **\$1.00**; ¼ oz., **\$1.75**; 1 oz., **\$5.75**.

Double Golden Ball. 10 in. Dwarf, semi-double yellow. Tr. pkt., **25c**; ¼ oz., **65c**; 1 oz., **\$2.25**.

MYOSOTIS (Forget-Me-Not)

42,000 S.

***Blue Bird** (Oblongata). 12 in. Standard blue for spring greenhouse flowering. Tr. pkt., **35c**; ¼ oz., **85c**; 1 oz., **\$3.00**.

Palustris Semperflorens. Dwarf blue, 12 in. Flowers from early spring until autumn. Tr. pkt., **35c**; ¼ oz., **\$1.00**; 1 oz., **\$3.00**.

VICTORIA. A dwarf, compact strain. 6 to 8 in.

Dark Blue **Rose** **White** **Dwarf Mixed**
Prices above 4, each: tr. pkt., **35c**; ½ oz., **85c**; ¼ oz., **\$1.50**.

ALPESTRIS. Biennial.

Blue Eyes. Early flowering bright blue with white eye. Tr. pkt., **50c**; ¼ oz., **\$1.50**; 1 oz., **\$4.50**.

***Royal Blue** (Indigo Blue). 12 in. Deep rich blue. Tr. pkt., **30c**; ¼ oz., **85c**; 1 oz., **\$3.00**.

Myosotis Ball Early. See page 32.

Painted Daisy. See Pyrethrum, page 48.

NEPETA

Mussini (June-flowering Catnip). 52,000 S. 12 in. Neat bushes with lavender-blue flowers; both foliage and flowers are aromatic. Tr. pkt., **25c**; ¼ oz., **75c**; 1 oz., **\$2.25**.

OENOTHERA

Youngi (Sundrop). 18 in. Large yellow blooms. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$1.80**.

PHLOX

Hybrid Mixture (Decussata). 2500 S. 3 ft. Our strain of this popular perennial Phlox contains many large-flowered, brilliantly colored types. Tr. pkt., **35c**; ¼ oz., **80c**; 1 oz., **\$2.40**.

PHYSALIS

Francheti (Chinese Lantern Plant). Giant orange-scarlet pods. Tr. pkt., **25c**; ¼ oz., **75c**; 1 oz., **\$2.50**.

PHYSOSTEGIA

Virginica (False Dragonhead). 16,000 S. 4 ft. Rosy lilac. Tr. pkt., **50c**; ¼ oz., **\$1.50**; 1 oz., **\$5.00**.

Pinks. See Dianthus, pages 28 and 44.

PLATYCODON

GRANDIFLORUM (Tufted Harebell or Balloon Flower). 28,000 S. 24 in. Very attractive for spring sales.

Blue. A clear, deep violet blue.

Prices above 2, each: tr. pkt., **35c**; ½ oz., **85c**; ¼ oz., **\$1.50**.

New Giant Early. Violet-blue. Tr. pkt., **35c**; ½ oz., **85c**.

POPPY

ORIENTALE (Oriental Poppy). 140,000 S. Large cup-shaped flowers with crinkled petals. Newly opened flowers when cut in early morning or late evenings will keep in water for 3 to 5 days if ends of stems are well burned within 5 minutes of cutting.

Beauty of Livermere. Dark oxblood-red. Tr. pkt., **30c**; ¼ oz., **\$1.25**.

Brilliant. Vivid, fiery red. Tr. pkt., **35c**; ½ oz., **90c**; ¼ oz., **\$1.50**.

Princess Victoria Louise. The standard light orange-salmon. Tr. pkt., **30c**; ¼ oz., **\$1.00**; 1 oz., **\$3.50**.

Salmon Shades. Huge blossoms in unusual new salmon shades. Tr. pkt., **35c**; ½ oz., **\$1.00**; ¼ oz., **\$1.75**.

Mixture. Of all colors. Tr. pkt., **35c**; ¼ oz., **\$1.25**; 1 oz., **\$4.00**.

Annual Poppy. See page 34.

PRIMULA

VERIS. 33,000 S. A very useful class for spring pot work. Plants lifted from outdoors in fall will make specimen pot plants from February on.

***Colossea.** Extra large flowers (1½ to 2 in.) on long stiff stems. Remarkable range of unusual colors. Tr. pkt., **\$1.00**; ½ oz., **\$2.75**; ¼ oz., **\$5.00**; 1 oz., **\$15.00**.

***Giant Munstead Strain.** The standard strain for bedding; in shades of yellow. Tr. pkt., **\$1.00**; ½ oz., **\$2.75**; ¼ oz., **\$5.00**; 1 oz., **\$15.00**.

Polyanthus Mixture. 12 in. Tr. pkt., **75c**; ½ oz., **\$2.20**; ¼ oz., **\$4.00**; 1 oz., **\$12.00**.

***Giant Monarch Strain.** A fine large-flowered mixture. Tr. pkt., **\$1.00**; ½ oz., **\$2.75**; ¼ oz., **\$5.00**; 1 oz., **\$15.00**.

Giant Crimson **Giant Yellow** **Giant White**
Prices above 3, each: tr. pkt., **75c**; ½ oz., **\$1.75**; ¼ oz., **\$3.00**.

Blue Flowered. Tr. pkt., **\$1.00**; ½ oz., **\$2.20**; ¼ oz., **\$4.00**.

Vulgaris (True Yellow English Primrose). 19,000 S. 6 in. Tr. pkt., **50c**; ¼ oz., **\$1.65**; 1 oz., **\$6.00**.

Japonica. Crimson, rose and pink flowers born in whorls on 6- to 9-in. stems. Tr. pkt., **35c**; ½ oz., **\$1.00**.

Annual Primulas. See page 34.

MISCELLANEOUS PERENNIALS—Continued

PYRETHRUM

ROSEUM (Painted Daisy). 18,000 S. The standard hardy cut flower class. The following varieties will make an excellent showing with a minimum of care.

Atrosanguineum. A popular dark crimson strain.

Rose. Single pink flowers.

Robinson's Dark Crimson. Giant flowered, dark red.

***Robinson's Hybrids.** Large single mixture.

***Semi-Double Mixture.** An excellent strain. Large flowered and free blooming.

Single Mixed. An attractive mixture of colors in the large-flowered single type.

Prices above 6, each: tr. pkt., **50c**; ¼ oz., **\$1.50**; 1 oz., **\$4.50**.

***Double Mixture.** The percentage of large flowers, with double row of petals, exceeds that of any other strain. Note, however, that 2 years' growth is required to produce the finest flowers in any double Pyrethrum. Tr. pkt., **50c**; ⅛ oz., **\$1.40**; ¼ oz., **\$2.50**; 1 oz., **\$7.50**.

Parthenifolium Aureum (Golden Feather). Dwarf, yellow-green foliage. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **90c**.

RUDBECKIA

Purpurea (Echinacea). 7000 S. 4 ft. Reddish purple flowers. Tr. pkt., **35c**; ¼ oz., **\$1.00**; 1 oz., **\$3.00**.

SALVIA

Potens. 3800 S. 30 in. Navy blue hardy Salvia. Tr. pkt., **50c**; ¼ oz., **\$1.50**; 1 oz., **\$4.50**.

SAPONARIA

Ocyroides. 5500 S. 12 in. Trailing rock plant; rose-pink flowers. Tr. pkt., **25c**; ¼ oz., **70c**; 1 oz., **\$2.10**.

SCABIOSA

2400 S. Excellent large-flowered perennial cut-flower material. Seed germination sometimes slow.

CAUCASICA. 30 in. Flower heads up to 3 in. across.

Goldingensis. Large flowered, fine deep lavender. Tr. pkt., **35c**; ¼ oz., **\$1.00**; 1 oz., **\$3.50**.

Perfecta. Improved large flowered form of this lilac-lavender strain. Tr. pkt., **30c**; ¼ oz., **75c**; 1 oz., **\$2.50**.

***House Hybrids.** Large flowers ranging from white to deep blue. Tr. pkt., **35c**; ¼ oz., **\$1.00**; 1 oz., **\$3.50**.

STATICE

Perennial Statice are very hardy, make good cut flower material and can be dried and dyed.

Caspia. 175,000 S. 30 in. Seedlings flower second season. Lilac. Tr. pkt., **25c**; ¼ oz., **75c**; 1 oz., **\$2.50**.

***Dumosa.** 19,000 S. 18 in. Dense clumps of silvery gray flowers. Tr. pkt., **25c**; ¼ oz., **75c**; 1 oz., **\$2.50**.

***Latifolia** (Sea Lavender). 40,000 S. 30 in. Standard blue perennial Statice. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$1.85**.

Perezi. 14,000 S. Flowers in large lavender heads first year from seed. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$1.85**.

Annual Statice. See page 36.

STOKESIA

Cyanea (Stoke's Aster). 3300 S. 16 in. Large blue flowers. Tr. pkt., **35c**; ¼ oz., **90c**.

THALICTRUM

Dipterocarpum (Meadow Rue). 12,000 S. 3 to 4 ft. Rosy purple clusters of flowers in early June. Tr. pkt., **25c**; ¼ oz., **75c**; 1 oz., **\$2.25**.

THERMOPSIS

Caroliniana. 3 to 5 ft. Long panicles of yellow pea-shaped flowers. Tr. pkt., **25c**; ¼ oz., **75c**; 1 oz., **\$2.25**.

TRITOMA (Red Hot Poker)

22,000 S. Attractive long spikes from late summer until frost. 3 to 4 ft.

***Pfitzer's Hybrids.** Large brilliant red.

Mirabilis Hybrids. Yellow and orange shades.

Prices above 2, each: tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$2.00**.

TROLLIUS

8000 S. Allow seed to stand outdoors over winter for good germination. Plants require moist soil.

Ledebouri, Orange (Globe Flower). The standard variety. 2 ft. tall. Tr. pkt., **50c**; ⅛ oz., **\$1.25**; ¼ oz., **\$2.00**.

Europaeus (Golden Ball). Late yellow. Tr. pkt., **35c**; ⅛ oz., **\$1.00**; ¼ oz., **\$1.75**.

VERONICA

Spicata, Dwarf Mixed (Speedwell). Showy, easily grown plants; brightly colored. Tr. pkt., **35c**; ¼ oz., **65c**; 1 oz., **\$2.00**.

VIOLA

CORNUTA. 24,000 S. (except Blue Elf.) Miniature Pansies. Extra free-flowering and effectively used for bedding. Perfectly hardy.

Apricot. Prefer Chantreyland. Tr. pkt., **50c**; ⅛ oz., **\$1.10**; ¼ oz., **\$2.00**; 1 oz., **\$6.00**.

Arkwright Ruby. Maroon-scarlet with dark center. Bright color. Tr. pkt., **50c**; ⅛ oz., **\$1.50**; ¼ oz., **\$2.65**; 1 oz., **\$8.00**.

***Blue Perfection.** Large flowered clear medium blue. Tr. pkt., **50c**; ⅛ oz., **\$1.10**; ¼ oz., **\$2.00**; 1 oz., **\$6.00**.

***Chantreyland.** Extra large-flowered true apricot. Tr. pkt., **50c**; ⅛ oz., **\$1.10**; ¼ oz., **\$2.00**; 1 oz., **\$6.00**.

Firmament. Free blooming, clear sky-blue. Tr. pkt., **50c**; ⅛ oz., **\$1.50**; ¼ oz., **\$2.65**; 1 oz., **\$8.00**.

Jersey Gem. Deep orchid violet; large flowered and attractive. Tr. pkt., **50c**; ⅛ oz., **\$1.50**; ¼ oz., **\$2.70**.

***Lutea Splendens.** Clear golden yellow. Tr. pkt., **50c**; ¼ oz., **\$1.50**; 1 oz., **\$5.00**.

Papilio. Blue and white combinations. Extra dwarf and free-flowering. Tr. pkt., **35c**; ¼ oz., **\$1.25**; 1 oz., **\$4.00**.

***White Perfection.** Small pure white. Tr. pkt., **35c**; ¼ oz., **\$1.25**; 1 oz., **\$4.00**.

***Large-Flowered Mixture.** Complete mixture of all large-flowered varieties. Tr. pkt., **35c**; ¼ oz., **\$1.25**; 1 oz., **\$4.00**.

"JUMP UPS"

These small, but free flowering Violas make excellent bedding and rock garden plants, blooming continuously from early spring to late fall.

Black Imp (Nigra). Small, velvety, coal-black flowers. Tr. pkt., **50c**; ¼ oz., **\$1.50**; 1 oz., **\$5.00**.

***Blue Elf.** (Improved Johnny Jump Up). 43,000 S. Three-colored blooms of deep violet, light blue and gold are freely produced on low-growing plants. Tr. pkt., **50c**; ⅛ oz., **\$1.25**; ¼ oz., **\$2.25**.

***Helen Mount.** A richly colored combination of violet, lavender and canary-yellow. Very free flowering with narrow bushy foliage. Tr. pkt., **50c**; ⅛ oz., **\$1.25**; ¼ oz., **\$2.25**.

YUCCA

Hardy Varieties Mixed. Striking plants of exotic appearance. Many varieties are included in this blend. Tr. pkt., **25c**; ¼ oz., **75c**; 1 oz., **\$2.25**.

Vegetable Seeds for Florists

FOR FORCING

For easy reference we've marked the best vegetable varieties for greenhouse forcing with an asterisk (*). All are thoroughly tested.

BEANS

	4 ozs.	1 lb.	5 lbs.	10 lbs.
Bountiful. Green bush.....	\$0.15	\$0.40	\$1.75	\$3.50
Golden Wax. Yellow bush.....	.15	.40	1.75	3.50
Kentucky Wonder. Green pole.....	.15	.40	1.75	3.50
Stringless Green Pod .....	.15	.40	1.75	3.50
Burpee's Bush Lima.....	.20	.50	2.25	4.50

CORN

	.15	.35	1.60	3.15
Country Gentleman. White.....	.15	.35	1.60	3.15
Golden Bantam.....	.15	.35	1.60	3.15
Golden Cross (Hybrid).....	.20	.50	2.25	4.50
Stowell's Evergreen. White.....	.15	.35	1.60	3.15

PEAS

	.15	.30	1.35	2.70
Alderman. Tall.....	.15	.30	1.35	2.70
Thos. Laxton. Medium.....	.15	.30	1.35	2.70
Little Marvel. Dwarf.....	.15	.30	1.35	2.70

BEETS



(1 oz. for 60-foot rows.) Sow when ground can be worked and make successive sowings until July. Space rows 18 inches. Broadcast seeds in Ball Bands for plant sale.

	1 oz.	4 ozs.	1 lb.
Crosby's Egyptian. (Original Strain.).....	\$0.15	\$0.50	\$1.50
Detroit Dark Red. (Improved Strain.).....	.15	.50	1.50
*Early Wonder Tall Top. Valuable for BEET GREENS as well as globular roots.....	.15	.50	1.50
*Extra Early Flat Egyptian. Earliest and best for forcing or home garden.....	.15	.50	1.50

BROCCOLI



(About 10,000 seeds per oz.) Sow in March. Space plants 36x24".

Green Sprouting Early. Valuable all-season "cut and come again" strain for home garden or market.....	.40	1.30	3.90
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FOR PLANT SALES

Band-grown vegetables mean earlier crops. Use the banded plant cut as your guide to suitable varieties for growing in Plant Bands.

BRUSSELS SPROUTS



(About 7000 seeds per oz.) Sow in March. Space 36x18".

	1 oz.	4 ozs.	1 lb.
Long Island Imp. 90 days. Stem closely set with 1½ in. round cabbage-like heads. 20" tall, good keeper	\$0.45	\$1.50	\$4.50

CABBAGE



(About 7000 seeds per oz.) Sow in Feb.-March for the first crop and in June for a fall crop. Space earlies 24x18", late 36x20". Days indicated are from the date the plants are set out. Handling cabbage plants in plant bands will prevent premature heading.

YELLOWS RESISTANT VARIETIES

In order of maturity.

Jersey Queen. 63 days. The resistant Jersey Wakefield. Heads are solid, conical.....	.40	1.30	4.20
Marion Market. Heads a little later and larger than Copenhagen Market.....	.50	1.60	4.80
Wisconsin All-Season. Good winter keeper; large flat hard heads.....	.50	1.60	4.80
Bugner. 100 days. Round heads; average 10 lbs., 8 inches diameter. Excellent.....	.90	3.00	9.00
Wisconsin No. 8. Resistant Hollander.....	.60	2.00	6.00

STANDARD VARIETIES

In order of maturity.

Early Jersey Wakefield. Pointed heads. Plants small, allowing close planting.....	.35	1.20	3.60
Golden Acre. Round heads, short stem, 64 days. Uniform, firm, matures evenly.....	.45	1.50	4.50
Copenhagen Market. A very choice strain. Medium-sized heads; compact.....	.45	1.50	4.50
Charleston. (Large Wakefield.) Heart shaped, average weight 4-5 lbs.....	.35	1.20	3.60
Early Dwarf Flat Dutch. Heads nearly round, firm, fine flavor and high quality...	.35	1.20	3.60

PLANTOMAT JR. SAVES SEED AND TIME IN SOWING TOMATOES AND PEPPERS!

It's as sturdily made as the LITTLE WONDER SEEDER (pictured and described on page 22) and easily operated as shown. Plantomat Jr. handles Tomato and Pepper seed only, and is made to fit flats 12 or 14 inches outside width. **Specify outside width of your flats when ordering.** Sent postpaid for \$9.75. Made to fit other width flats at slight additional cost.

PLEASE NOTE: All seeder prices are **NET**; no cash discount.



PLANTOMAT JR. sowing Tomato seed. Even sowing means less spindly seedlings and better plants.

Vegetable Seeds for Florists (Continued)

CABBAGE—Continued

	1 oz.	4 ozs.	1 lb.
Glory (Glory of Enkhuizen). Valuable for kraut. Average 6-8 lbs.	\$0.40	\$1.30	\$4.20
All Head Early. Good winter keeper. Deep heads, flat, firm, valuable for kraut, 77 days	.35	1.20	3.60
All Season. Best in hot, dry weather.....	.35	1.20	3.60
Late Flat Dutch. Good keeper, firm heads...	.40	1.30	3.90
Danish Ballhead. Penn State Strain (Short Stem). Best late variety, heads large, flat, solid; keeps until late spring. 105 days	.50	1.50	4.50
SAVOY and RED CABBAGE			
Chieftain. 85 days. Heads medium large; flat and firm. Crimped leaves.....	.50	1.50	4.50
Mammoth Rock Red. Best red variety.....	.50	1.50	4.50



CELERICAC

Large Smooth Prague. Turnip-rooted celery. Excellent winter keeper. 1/4 oz., 25c.....

.70 2.35 7.00

CHINESE CABBAGE

Michihli. 70 days. 20 in. tall. Surer heading and more uniform than the old Chihli. Crisp, tender and well balanced. A great improvement

.75 2.50 7.50

CAULIFLOWER



(About 7000 seeds per oz.). We offer only genuine Danish grown seed, recognized as the world's finest. Sow in February or March for plant sale. To insure unchecked growth and sure heading, plants should be handled in plant bands or pots. Space 18x24 in. Days indicated are from date plants are set out.

Danish Giant Dry Weather. Select. 70 days.

Early Dwarf Erfurt. Select. 60 days.

***Early Snowball "A."** 55 days. Standard early. Fine for greenhouse forcing, frame or outdoor culture.

Snowball "X." 65 days. Well adapted for use under a wide range of conditions. Heads large, firm and pure white.

Snowdrift. 65 days. Larger than Snowball; firm and well protected by inner leaves. Good for distant shipping.

Prices of above 5, each: tr. pkt., 40c; 1/4 oz., 80c; 1 oz., \$2.40; 4 ozs., \$8.00; 1 lb., \$24.00.

CARROT

(1 oz. for 300-ft. row.) Sow as early as the ground can be worked and make successive plantings until Aug. 1st. Space rows 12 to 18".

***Amsterdam Forcing.** Roots reddish orange, 6 in., uniformly tapered. Best for forcing. About 2 weeks earlier than other varieties...
1 oz. 4 ozs. 1 lb.
\$0.35 \$1.20 \$3.60

Chantenay Red Cored. Tapering

.20 .60 1.80

Danvers Half Long. Tapering.....

.20 .60 1.80

Hutchinson. Latest and largest variety.....

.20 .70 2.10

Morse's Bunching. (All-America Award)...

.20 .60 1.80

Nantes Stump Rooted. Cylindrical.....

.20 .70 2.10

Oxheart or Guerande. Easy to pull.....

.20 .60 1.80

CELERY



(About 8000 plants per oz.). Sow in Feb. or March for plant sales. Cover seeds lightly. Space 6x28". Days indicated are from date of planting.

Giant Pascal. 140 days. The standard late green celery. 1/2 oz., 40c.....

.70 2.35 7.00

Golden Plume. Select. 85 days. Desirable for home and market garden. 1/2 oz., 50c...

.90 3.00 9.00

Golden Yellow Self-Blanching. Dwarf. Standard market sort. 1/2 oz., 50c.....

.90 3.00 9.00

CELERY—Continued

	1 oz.	4 ozs.	1 lb.
Summer Pascal. 110 days. Uniform thick rounded stalks. 1/2 oz., 40c	\$0.70	\$2.35	\$7.00
Utah or Salt Lake. No. 99. 125 days. Mid-season, full hearted and compact. 1/2 oz., 40c .....	.70	2.35	7.00



CHIVES

(Grass-Onion.) A perennial, quickly started from seed. Popular for flavoring and borders. 1/4 oz., 30c....

.90 3.00 9.00

CORN. See page 49.

CRESS

Curled or Pepper Grass. Greenhouse catch crop. Ready in 40-60 days. Temp. 40-50°.	.25	.80	2.40
Water Cress. 75 days. Perennial water plant. Small, thick, pungent leaves. 1/4 oz., 50c	1.50		



CUCUMBER

(About 1000 seeds per oz.). 1 oz. for 80 hills or 200-ft. row. Distance between rows 3 to 6 ft.

*A. & C. 68 days. 8 to 9 in. Deep green. Does well on light soil. ....	.25	.85	2.50
Chicago Pickling. 6 in. 60 days. ....	.25	.85	2.50
*Davis Perfect. Fine slicing variety. 9 in. ....	.30	1.00	3.00
Imp. Long Green. Ideal slicer. 12 in. ....	.30	1.00	3.00
*Longfellow. 72 days. One of the main forcing varieties. 12 to 14 in. long. ....	.35	1.20	3.50
National Pickling. 50 days. Considered best for small pickles. ....	.25	.85	2.50
*Seedless Supreme. Best of the European forcing types. Forms 12-14 in. fruits without pollination and is seedless unless pollinated. Dark green, disease resistant, very prolific. For forcing only in high humidity at 75-85° temperature. Further cultural notes in U.S.D.A. Bulletin No. 1320 (5c). 100 seeds, \$1.00; 1000 seeds, \$9.00.			
Small Gherkin. 2 in. long; very prolific....	.30	1.00	3.00
Straight 8. Deep green; ideal shipper.....	.30	1.00	3.00



EGGPLANT

(About 6000 seeds per oz.) Sow in February or March for plant sales. Space plants 18x24 in.

Black Beauty. Popular market variety. Dark purple. Broad, egg-shaped ..	.60	2.00	6.00
Fort Meyers Market. Oval fruits carried well above ground. Quite resistant to disease and excessive heat. 1/2 oz., 45c.....	.80	2.70	8.00

ENDIVE

(1 oz. for 100-ft. row.) Sow in April or June-July for fall crop which may be kept for several months if taken up with soil before killing frost, packed closely and stored in basement.

Full Heart Batavian (Escarolle).....	.20	.60	2.00
Deep Heart Fringed. Upright growth .....	.20	.60	2.00

POPULAR HERBS



Collection boxes of banded and assorted plants have proved a very popular spring seller. Of medicinal and high flavoring value as well as decorative appearance. Each packet will make at least 250 plants. Leaflet describing each variety with collection offer.

Anise—Basil—Borage—Coriander—Dill—Fennel
—Sweet Marjoram—Sage—Savory—Thyme.

Prices above 10, each: Tr. pkt., 15c.

Collection one each of above 10 varieties, \$1.00.

Vegetable Seeds for Florists (Continued)

KALE

	1 oz.	4 ozs.	1 lb.
(About 7000 seeds per oz.)			
Dwarf Green Curled. Very hardy.....	\$0.25	\$0.75	\$2.40
Tall Green Curled Scotch. 30 in. tall.....	.25	.75	2.40

KOHLRABI

(About 7000 seeds per oz.)			
*Early White Vienna. Standard sort for forcing and home garden. Globe-shaped...	.30	1.00	3.00
Early Purple Vienna.....	.30	1.00	3.00

LEEK

(About 9000 seeds per oz.) More delicately flavored than the mildest onion. Has a decided sweet flavor. Cooked and served like asparagus. Grow for plant sale like onions. Stores well; extremely hardy.			
Elephant. 150 days. 8-in. stems. Best strain of this fine "asparagus onion".....	.45	1.50	4.50

LETTUCE

(15,000 seeds per oz., 1/4 oz. for 100-ft. row.) There is a premium on lettuce PLANTS. They are readily transplanted in plant bands and heading varieties will make large solid heads, if set out early, even before late frost is over. Sow March 15 or 4 weeks before setting out plants. Space 14x18 in.			
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FORCING VARIETIES

Approximate growing time 60-90 days. Temperature 50°. Transplant. Sow any time.			
*Grand Rapids Forcing. The standard LOOSE LEAVED variety for greenhouse forcing. Tender and sweet. Best early ..	.25	.80	2.40
*Bibb Forcing. Butterhead type of finest flavor and well adapted to greenhouse culture. Demands even temperature, more so than Grand Rapids ..	.30	1.00	3.00

STANDARD VARIETIES

Big Boston. HEADING; used for spring and fall hotbed and cold frame culture.....	.20	.70	2.10
Black-Seeded Simpson. LOOSE-LEAVED.....	.20	.70	2.00
Great Lakes. New outstanding HEAD lettuce; slow to bolt. "All America" winner.....	.50	1.70	5.10
Imperial No. 44. Sure HEADING Iceberg type. Recommended for plant sales.....	.35	1.15	3.40
New York No. 12. Early sure HEADING Iceberg type. Does well in midsummer....	.35	1.15	3.40
May King. Earliest of the Butterheads. Valuable for forcing outdoors or frames.....	.20	.70	2.00
Oak Leaf. Rather indefinite HEADS; medium sized. Leaves deeply lobed.....	.35	1.15	3.40


MUSKMELON

(1000 seeds per oz.)			
Honey-Dew. MILDEW-RESISTANT.....	.30	.90	2.70
Honey Rock. 85 days. Flesh orange, sweet and of finest flavor. Good shipper.....	.30	.90	2.70
Iroquois. 90 days. Resistant Bender type. Orange flesh.....	.30	.90	2.70
Pride of Wisconsin. 86 days. Thick, orange-fleshed, popular.....	.30	.90	2.70
Resistant No. 45 or Hale's Best. 90 days. Flesh thick salmon. Resistant to mildew....	.30	.90	2.70


WATERMELON

Harris Earliest. 80 days. Fruits oval.....	.20	.70	2.10
Wonder. (Improved Kleckley's Sweet).....	.20	.70	2.10

ONION

	1 oz.	4 ozs.	1 lb.
(About 9000 seeds per oz.)			
 Ebenezer. Early flat straw-colored, mild-flavored; used for sets.....	\$0.35	\$1.20	\$3.60
Prizetaker (Valencia). Yellow. good keeper, flesh mild. 1/2 oz., 40c.....	.70	2.30	6.90
Southport Red Globe. 110 days. Splendid keeper. Best red variety. 1/2 oz., 30c.....	.50	1.60	4.80
Riverside—Yellow Sweet Spanish. Globe-shaped, keeping extra well for soft type. Midseason. 1/2 oz., 40c.....	.70	2.30	6.90
Yellow Globe Danvers. Firm and hard; excellent keeper. 1/2 oz., 25c.....	.40	1.30	3.90
Yellow Bermuda (White Bermuda). Standard early. Flat, straw colored. 1/2 oz., 40c.....	.70	2.30	6.90

PARSLEY

(1/4 oz. per 100-ft. row.) Roots are transplanted from outside to 4-in. pots or ground bed in cool house, or sow directly. 8x8 in.			
 *Extra Triple Curled. 75 days. Closely curled, very compact and productive.....	.15	.50	1.50
*Paramount. 90 days. The most dwarf and curled Parsley. Uniform dark green ..	.15	.50	1.50

PARSNIP

(1 1/2 oz., per 100-ft. row.) Sow early, space rows 18 in. Roots hardy.			
Short, Thick. 100 days. Finest and earliest strain. Pulls easily, sweet delicate flavor.....	.15	.50	1.50
Smooth White. 130 days. Evenly tapered—whiter than "Hollow Crown".....	.15	.50	1.50

PEAS. See page 49.

PEPPER

(About 3000 seeds per oz.) Sow 6 weeks before outdoor planting. Germinate seeds warm. Space plants 16x24 in. Days indicated are from date plants are set out.			
 Avalon. Sweet button-shaped fruits about 2 in. across; red flesh. 1/2 oz., 85c.....	1.50		
California Wonder Select. (Sweet.) 72 days. Standard of excellence in Sweet Peppers. Extra thick walls. 1/2 oz., 40c.....	.70	2.40	7.00
Chinese Giant. (Sweet.) 80 days. The largest Sweet Pepper. 1/2 oz., 35c.....	.60	2.00	6.00
Golden Wonder. Golden fleshed California Wonder type. 1/2 oz., 85c.....	1.50	5.00	
Harris' Early Giant. (Sweet.) 63 days. Well-suited to northern states. 1/2 oz., 35c.....	.65	2.20	6.50
Hungarian Yellow Wax. (Hot.) Very early. Plants small, productive. 1/2 oz., 40c.....	.75	2.50	7.50
Large Bell or Bull Nose. (Hot.) 65 days. Ribs pungent, otherwise mild. 1/2 oz., 40c.....	.70	2.40	7.00
Large Cherry. (Hot.) 1/2 oz., 40c.....	.70	2.40	
Long Red Cayenne. (Hot.) 70 days. For pickles, canning or drying. 1/2 oz., 35c.....	.60	2.00	6.00
Oakview Wonder. (Sweet.) 65 days. (Early California Wonder.) 1/2 oz., 40c.....	.75	2.50	7.50
Pimento. (Perfection.) Sweet. 72 days. Fruits smooth, conical. 1/2 oz., 30c.....	.45	1.50	4.50
Red Chili. Numerous 2-2 1/2 in. long fruits. Borne upright. Very pungent. 1/2 oz., 35c.....	.65	2.20	6.50
Ruby King. (Sweet.) 68 days. Very productive. 1/2 oz., 35c.....	.65	2.20	6.50
Sunnybrook. Sweet, tomato-shaped fruits. Turns scarlet-red earlier than most other peppers. 73 days. 1/2 oz., 35c.....	.60	2.00	6.00
Sweet Bull Nose. (Sweet Mountain.) Mild-fleshed. 65 days. 1/2 oz., 35c.....	.65	2.20	6.50
World Beater. (Sweet.) 70 days. Large, oblong green, thick flesh. 1/2 oz., 35c.....	.60	2.00	6.00

Vegetable Seeds for Florists (Continued)

PUMPKIN

	1 oz.	4 ozs.	1 lb.
Small Sugar Pie. Early orange	\$0.15	\$0.50	\$1.50

RADISH

(1 oz. for 100-ft. row.)

* Cavalier. Short topped, deep scarlet. Choice for forcing. 10 lbs., \$12.60	.15	.45	1.40
Crimson Giant. 30 days. Remains crisp	.15	.40	1.20
* Early Scarlet Globe. (Short Top.) Our strain of this very early forcing variety is a superior one. 23 days. An ideal florists' "catch crop." 10 lbs., \$12.60	.15	.45	1.40
French Breakfast. 25 days. Oblong roots, scarlet, white tipped. Forcing and market	.15	.40	1.20
* Icicle. (Short Top.) 27 days. Best white for outdoors and forcing. 10 lbs., \$10.80	.15	.40	1.20

RUTABAGA

American Purple Top	.15	.30	.80
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SPINACH

(1 oz. for 100-ft. row.)

* Cavallius. A special forcing strain producing heavily under short day greenhouse conditions. Sow October to late January	.45	1.50	4.50
Giant Thick Leaved. (Nobel.) 45 days	.15	.30	.80
King of Denmark. 48 days	.15	.30	.80
Savoy-Leaved or Bloomsdale. 40 days	.15	.30	.80
* New Zealand (Tetragonia). Picked throughout the summer. Suitable for greenhouse forcing in 50-60° temperature	.15	.40	1.20

SQUASH

(About 380 seeds per oz.)

Acorn. 60 days. Winter squash	.20	.65	1.90
Buttercup. 100 days. Winter squash	.20	.75	2.20
Butternut. 100 days. Winter squash	.40	1.25	3.75
Early Prolific Straightneck. 50 days. Summer squash. Edible when 4 to 14 in.	.15	.50	1.50
Hubbard. True. Green winter squash	.20	.65	2.00
Uconn. (All-America Gold Medal, 1950.) A new, bush type Acorn Squash requiring little space; very prolific. Young fruits may be used in summer; mature fruits as a winter squash	.30	1.00	3.00

SWISS CHARD

(1 oz. for 100-ft. row.)

* Lucullus. Deep green crumpled leaves. For forcing sow directly or transplant field-grown roots. Cool house temp. Pick leaves.	.15	.50	1.50
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TOMATO

(About 7000 seeds per oz.) We offer only the highest quality tomato seed from specialist growers. Sow seed 6 to 8 weeks before time to plant out. Days indicated are from date plants are set out.



SPECIAL FORCING VARIETIES

* Waltham Forcing. The ideal forcing tomato. Even sized, 4-oz. scarlet fruits, firm, good shippers and do not crack. Plants take little room; may be grown in old buckets. Flowers self-pollinating. Early and heavy yielder. This variety also fine for outdoor trellis. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.00.			
* Michigan State Forcing. Wilt resistant. Distinct greenhouse tomato developed at Michigan State College. Rich, deep scarlet fruits, average 5-6 ozs., globular, in large clusters. Highly self-pollinating but responds well to daily tapping of flower clusters. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.			
Globe "A." Pink fruits, a little larger than regular Globe. Developed by Ohio State Experiment Station. Ships well. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.00.			
Marhio or Marvelous. Pink fruit, wilt resistant and almost free from cracks. Vigorous grower requiring high temperature and particularly fine for fall forcing. Extra select stock. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.00.			

TOMATOES—Continued

STANDARD VARIETIES

	1 oz.	4 ozs.	1 lb.
* Bonny Best. Unexcelled for all purposes. Smooth and firm. 73 days	\$0.60	\$2.00	\$5.90
Break O' Day. Early WILT-RESISTANT, globe shaped. Heavy producer, flesh firm	.60	2.00	6.00
Chalk's Early Jewel. 75 days. Heavy producer, scarlet-red, smooth and firm	.50	1.70	5.00
Crimson Cushion or Beefsteak. Large, flat, bright scarlet; solid, very prolific	.80	2.70	8.00
Dwarf Champion. Tree-like. Requires no support; medium size, solid pink fruit	.70	2.35	7.00
Dwarf Stone. 81 days. Strictly dwarf, tree-like, fruits bright red, smooth and solid	.60	2.00	6.00
Earliana. Medium size, deep scarlet, firm and smooth. 64 days. Fine early variety	.70	2.35	7.00
Early Detroit. Valuable for shipping. Pink, medium large, smooth fruit. 78 days	.60	2.00	6.00
Firesteel. 70 days. Deep red, sure setting. Best under drought conditions	.70	2.35	7.00
Garden State. 84 days. Smooth scarlet-red; similar to Greater Baltimore. ½ oz., 50c	.90	3.00	9.00
Giant Tree or Potato Leaved. 90 days. Extra large pink fruits often weighing 1 lb. or more. Tr. pkt., 50c; ¼ oz., \$1.20	3.60		
Globe. (Livingston's.) Heavy producer. Large purplish pink fruit; smooth and solid	.60	2.00	6.00
Golden Queen. 83 days. Large yellow fruit; firm and smooth, mild flavor	.70	2.35	7.00
Greater Baltimore. Midseason. Earlier than Stone, heavy producer, deep scarlet	.50	1.70	5.00
Gulf State Market. Very fine second early, crimson, medium size, very solid	.60	2.00	6.00
Italian Canner. Red plum shaped. Valuable for canning whole, paste and dehydration. ½ oz., 50c	.90	3.00	9.00
John Baer, Certified. Standard all-purpose variety, second early, medium size, red	.60	2.00	6.20
June Pink. Earliest pink, early shipper	.65	2.20	6.50
Jubilee. Orange; non-acid. All-America bronze medal winner. ½ oz., 50c	.90	3.00	
* Master Marglobe, Certified. Valuable for shipping and HIGHLY RESISTANT. 75 days. Extra select stock. ½ oz., 45c	.80	2.70	8.00
Marglobe. Regular stock	.60	2.00	6.00
Oxheart. 90 days. Extra large, heart-shaped, few seeds, mild flavor. ½ oz., 60c	1.10	3.70	11.00
Pan America. 75 days. U.S.D.A. introduction. Extremely wilt resistant. Scarlet	.65	2.20	6.50
Penn State Earliana. Extra early, red, large, smooth, mild and solid	.75	2.50	7.50
Ponderosa. Extremely large; purplish pink, few seeds, mild flavor, 85 days	.85	2.85	8.50
Pritchard (Scarlet Topper). Fine all-around variety, heavy yielder; second early; WILT-RESISTANT	.65	2.20	6.50
Rutgers, Certified. Red, smooth, thick walls—firm and mild. Does well even at a low fertility level. Favorite in sandy soil	.65	2.20	6.50
Stokesdale, Certified. 75 days. Red, globular; fine canning variety	.65	2.20	6.50
Stone. 85 days. Valuable for market and canning; heavy producer; deep scarlet	.65	2.20	6.50
Valiant. 70 days. Globe shaped; large, smooth red fruits	.90	3.00	9.00
Victor. 65 days. Extra early. Scarlet. Determinate vine, takes little room. ½ oz., 50c	.95	3.25	9.50
Red Cherry } Small fruited, for pickles, salads or preserves			
Yellow Plum }			
Yellow Pear }	.75	2.50	
Yellow Husk or Ground Cherry			
TURNIP			
Purple-Top, White Globe	.15	.30	.80



Our Special Mixture of Fancy Leaved Caladiums is unexcelled. You'll find they make ideal pot plants in addition to their usefulness for cutting, and outdoor bedding in partial shade.

Fancy Leaved *Caladiums* WONDERFUL COLORS

Valuable for:

Pot Plants

Cutting

Gardens
(Partial shade)

CALADIUM PRICES

	Price per 100	
	Named Varieties	Special Mixture
1 -1½ in. diameter. No. 2	\$12.00	\$10.00
1½-2½ in. diameter. No. 1	18.00	16.00
2½-3½ in. diameter. Jumbo	25.00	22.00
3½ in. up diameter. Mammoth	40.00	35.00

All Caladium tubers shipped f.o.b. Florida.



Gloxinia

TUBEROUS ROOTED BEGONIAS (Belgian-Grown)

For immediate and later delivery, subject to prior sale.

DOUBLE CAMELLIA-FLOWERED

Scarlet	Rose
Crimson	Salmon
Yellow	White
Copper	Mixed

	Per 100	Per 1000
1¼-1½ in.	\$ 6.00	\$55.00
1½-2 in.	10.00	90.00
2 in. up	13.00	120.00

All Begonia tubers shipped f.o.b. West Chicago.

GLOXINIAS (Belgian-Grown)

For immediate and later delivery, subject to prior sale.

Emperor Frederic. Scarlet, bordered white.
Emperor William. Violet, bordered white.
King of the Reds. Bright red.
Mont Blanc. Pure white.
Blanche de Merou. Rose, white throat.
Princess Elizabeth. Blue, white throat.
Violacea. Violet.
Queen Wilhelmina. Pink.
Mixture of all above colors.

	Per 100	Per 1000
1¼-1½ in.	\$10.00	\$ 90.00
1½-2 in.	16.00	150.00
2 in. up	22.00	210.00

All Gloxinia tubers shipped f.o.b. West Chicago.



Begonia Tuberos Rooted



Auratum (Gold Band)

Ball's Superior Lily Bulbs

PACIFIC NORTHWEST GROWN

F.O.B. Chicago

BALL CROFTS for Cutting

Size 6-8 in. 300 bulbs per case
Size 7-8 in. 250 bulbs per case

ESTATES for Cutting

Size 7- 8 in. 250 bulbs per case
Size 8- 9 in. 200 bulbs per case
Size 9-10 in. 150 bulbs per case

Write
for
Prices

REGALES

Size 7- 8 in. 250 bulbs per case
Size 8- 9 in. 200 bulbs per case
Size 9-10 in. 150 bulbs per case

BALL HARDY LILY COLLECTION

An ideal unit for growers who want only a small number of Lilies in several varieties.

Every unit contains cultural information for both greenhouse and outdoor growing of each variety. Pictures of each variety are also included to help you sell bulbs.

Each unit contains the following:

- 35 bulbs **Croft**. Trumpet. Pure white.
- 35 bulbs **Regale**. Trumpet. White with pale pink.
- 35 bulbs **Rubrum**. Reflex. Carmine-pink.
- 35 bulbs **Auratum**. Bowl. White, spotted crimson; yellow stripes.
- 35 bulbs **Album**. Reflex. White Rubrum.

1 Case—175 bulbs (collection) \$55.00. **F.O.B. West Chicago.**

Below: **Rubrum (Speciosum)**



JAPANESE GROWN LILIES

F.O.B. West Chicago

RUBRUM (Speciosum)

(Pictured at left)

Carmine-pink.

Size 7- 9 in. 250 bulbs per case. }
Size 8- 9 in. 200 bulbs per case. } **Write for Prices**
Size 9-10 in. 150 bulbs per case. }
Size 10-11 in. 100 bulbs per case }

AURATUM (Gold Band)

(Pictured above)

White, spotted crimson; gold stripes.

Size 8- 9 in. 200 bulbs per case. } **Write for Prices**
Size 9-10 in. 150 bulbs per case. }

ALBUM (Speciosum)

(White Rubrum)

Size 7- 8 in. 300 bulbs per case. } **Write for Prices**
Size 8- 9 in. 200 bulbs per case. }
Size 9-10 in. 150 bulbs per case. }

PLATYPHYLLUM (Auratum)

Less spotted than Gold Band.

Size 8- 9 in. 200 bulbs per case. } **Write for Prices**
Size 9-10 in. 150 bulbs per case. }

Prices subject to change without notice.

West Coast Glad Bulbs

Our bulbs are hand dug, hand cleaned and graded, and are not mutilated or bruised by machinery. This costs us more, but it is your insurance of quality stock. Our stock is guaranteed true to name, and free from disease and thrip. Full size and count, hand graded and selected. Sold under usual disclaimer. The following are the very finest varieties for commercial growing.

PINK, SALMON and ROSE

	Price per 1000	
	No. 1	No. 2
* Chamouny. Cerise-rose, silver edge	\$30.00	\$25.00
* Ethel Cave-Cole. Light pink	30.00	25.00
* Jeanie. Pink, cream throat	30.00	25.00
* Picardy. Salmon-pink	30.00	25.00

LAVENDER and BLUE

Blue Beauty. Medium blue	30.00	25.00
Elizabeth the Queen. Ruffled lavender	45.00	37.50
* King Lear. Ruffled purple	30.00	25.00
* Minuet. Large clear lavender	37.50	30.00

WHITE, CREAM and YELLOW

Corona. Cream, rose edge	37.50	32.50
* Maid of Orleans. Creamy white	30.00	25.00
* Margaret Beaton. White, cherry throat	30.00	25.00
* Snow Princess. Beautiful white	30.00	25.00
* Spotlight. Yellow, red blotch	45.00	40.00
White Gold. Cream	30.00	25.00
Yellow Emperor. Rich yellow	30.00	25.00

SCARLET

* Beacon. Salmon-scarlet, cream throat	30.00	25.00
Dr. Bennett. Large, fiery scarlet	30.00	25.00
* Valeria. Early scarlet	37.50	32.50

SMOKY SHADES

* Mother Machree. Smoky lavender	30.00	25.00
Zuni. Smoky rose	37.50	32.50

MIXTURE

Florists' Mixed. Well balanced	30.00	25.00
*Starred varieties considered best for forcing.		

Prices are f.o.b. shipping point, and are subject to change without notice. The minimum total order that can be accepted is 500 bulbs; 100 of each variety is the minimum that we can supply. For less than 250 of a variety, add 15% to the 1000 rate. Cash with order, or 25% deposit will hold bulbs until shipment is wanted, providing it does not exceed May 1st, unless other provisions are made. Field and storage are State inspected. All bulbs offered are subject to prior sale, so, if out of any variety, we will substitute with one equally good or better unless instructed otherwise. Shipments sent Express Collect unless other arrangements are made.

BALL GLADIOLUS COLLECTION For Bulb Sales or Cut Flowers F.O.B. WEST CHICAGO

Contains 250 No. 2 size bulbs each of the 8 popular varieties listed below, for \$50.00. Colored pictures to help you sell bulbs come with each collection. Order now and be ready for those early spring sales. Delivery December to March.

Chamouny. Cerise-rose, silver edge.

Dr. Bennett. Large fiery scarlet.

Ethel Cave-Cole. Light pink.

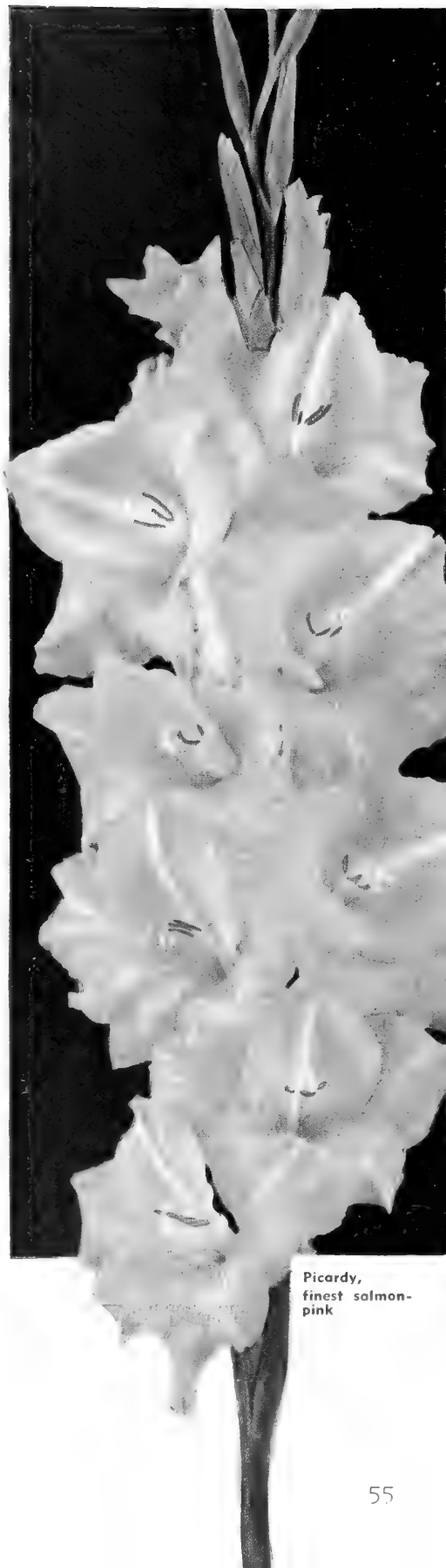
Margaret Beaton. White, cherry throat.

Minuet. Large, clear lavender.

Picardy. Salmon-pink.

Snow Princess. Beautiful white.

Yellow Emperor. Rich yellow.



Picardy,
finest salmon-
pink

HOLLAND BULBS

for Counter Sales

SPECIAL COLLECTION FOR EARLY SEPTEMBER DELIVERY

Order now and be sure of getting your bulbs early next September—when your customers have the planting urge. Colored posters to help your sales come with each collection.



1,050 BULBS for \$50.00

- 25 Hyacinths, Blue.
- 25 Hyacinths, Pink.
- 25 Hyacinths, White.
- 125 Tulips, Bartigon. Bright red.
- 125 Tulips, Philip Snowden. Deep rose.
- 125 Tulips, All Bright. Deep red.
- 125 Tulips, Wm. Copeland. Lavender.
- 125 Tulips, Carrara. Pure white.
- 125 Tulips, Golden Harvest. Lemon-yellow.
- 125 Tulips, Her Grace. Pink and white.
- 100 Daffodils, King Alfred. Golden yellow.

C.O.D. orders must be accompanied by 50% cash in advance. Prices are f.o.b. Chicago or New York.

WRITE FOR
COMPLETE LIST OF TULIPS,
HYACINTHS and DAFFODILS





Quality Gladioli Bulbs

DELIVERY DECEMBER TO MAY

BALL GLAD COLLECTION

FOR BULB SALES OR CUT FLOWERS

250 each of 8 varieties #2 size bulbs—Price **\$50.00**

Colored Pictures included with each collection.

CHAMOUNY. Cerise rose, silver edge.

DR. BENNETT. Large fiery scarlet.

ETHEL CAVE COLE. Light pink.

MARGARET BEATON. White, cherry throat.

MINUET. Large clear lavender.

PICARDY. Salmon pink.

SNOW PRINCESS. Beautiful white.

YELLOW EMPEROR. Rich yellow.

F.O.B. West Chicago

UNITS WANTED _____ SALESMAN _____

FIRM NAME _____

STREET OR R.F.D. _____

CITY & STATE _____



Hardy Lilies

DELIVERY DECEMBER TO MARCH

BALL LILY COLLECTION

Planting instructions for Greenhouse and gardens are provided with each unit. Colored pictures included with each variety.

- 35 Bulbs Croft.** White trumpet.
- 35 Bulbs Regale.** White and pink trumpet.
- 35 Bulbs Rubrum.** Carmine pink reflex.
- 35 Bulbs Album.** White reflex.
- 35 Bulbs Auratum.** White spotted crimson (Gold Band), bowl.

Case 175 Bulbs, above collection **\$55.00**

F.O.B. West Chicago

UNITS WANTED _____ SALESMAN _____

FIRM NAME _____

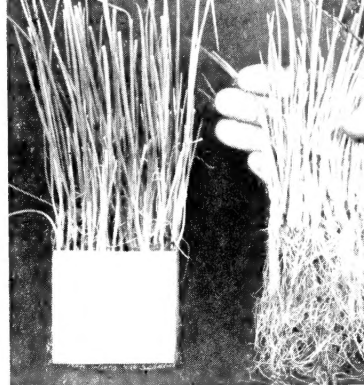
STREET OR R.F.D. _____

CITY & STATE _____



We Have Helped 12,000 Growers Like Yourself

More than 12 thousand growers have bought and re-bought over 300 million Ball Better Plant Bands during the past ten years. They're growing BETTER plants and doing it EASIER. We can help you, too. Just check the advantages that can be yours with Ball Better Bands.



EASIER!

TIME SAVED IS MONEY SAVED!

Quickly opened; come completely assembled.

Rapidly filled; faster than small pots one at a time.

Much lighter to handle and store than pots.

No dirty pots to clean or sterilize.

Fit close; less watering needed.

Faster benching than bare-root transplants.

BALL PLANTRAYS

Prices F.O.B. West Chicago or Factory near Minneapolis.

	100	200	1000
No. 1 (for 12-1 3/4" Bands)	\$3.40	\$8.60	\$30.50
No. 2 (for 12-2" Bands)	3.75	9.25	33.50
No. 3 (for 12-2 1/2" Bands)	4.30	10.25	38.00

We will allow you a special quantity discount on our PlanTrays as follows: Up to 3000 net; over 3000 up to 5000 5%; 5000 and over 7 1/2%.

CUT SHOWN BELOW: (top) No. 2 PlanTray being filled. Lower left shows same with fine Tomato plants growing. We also make No. 1 Special for 25 1 3/4x2 1/2" bands and No. 2 Special for 25 2x2 1/2" bands—fine for small plant growing for selling or shipping.

Will gladly send samples and prices on request.



BETTER!

STURDIER GROWTH MEANS BIGGER CROPS!

Holds more soil than a pot of equal diameter; huskier plants.

Made of decay resisting veneer for longer life.

No wilting checks after transplanting.

Ideal to pack for the small plant shipper.

Make swell dozen-plant units in Ball

PLANTRAYS for retail sales.

Bands packed in valuable greenhouse flats at no extra cost.

BALL BETTER PLANT BANDS

Prices F.O.B. West Chicago or Factory near Minneapolis.

Units of 2000 ONLY		In Units of 1000	
1 3/4x2	per 1000	3x3	per 1000
1 3/4x2 1/2	"	3x4	"
2x2	"	4x3	"
2x2 1/2	"	4x4	"
2x3	"	4x6	"
2 1/2x2 1/2	"	6x4	"
2 1/2x3	"		Units of 250
Bottoms furnished for sizes		6x6	per 1000
3x4 to 6x9—ask for prices.		6x9	"

Following sizes also available f.o.b. Seattle, Wash., at 10% additional cost over West Chicago prices:

1 3/4x2 1/2	2x2	2x2 1/2	2x3	2 1/2x2 1/2	2 1/2x3
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We are pleased to announce a new discount rate for your large wood veneer Plant Band orders, as follows: 2000 to 24,000 net; 26,000 to 50,000 5%; 52,000 to 100,000 10%; 102,000 to 200,000 12 1/2%. Write for prices on larger quantities.

To save delay be sure to specify which way to ship: **Express, Freight or Truck.** This is important. Bands sold only in units as listed above.

BIRD VITA-BANDS—PRICES PER 1000

Vita-Band 40	Vita-Band 10	Sold in units of 1000 only.
1 3/4x2 1/2 ... \$4.90	1 1/2x2 1/2 ... \$3.00	Prices f.o.b. East Walpole,
2x2 1/2 ... 5.40	1 3/4x2 1/2 ... 3.35	Mass., or West Chicago,
2x3 ... 5.90	2x2 1/2 ... 3.65	Ill. Quantity Discounts:
2 1/2x3 ... 6.95	2x3 ... 4.15	1000 to 49,000 net; 50,000
3x3 ... 8.10	2 1/2x3 ... 4.75	to 200,000 5%; over
	3x3 ... 5.65	200,000 10%.
	4x3 ... 7.35	
	4x4 ... 8.95	

BIRD TOM THUMB FLATS

	Wt. per 100	100	500	1000
No. 1 (for 12-1 3/4" bands)	20 lbs.	\$3.90	\$18.25	\$35.80
No. 2 (for 12-2" bands)	22 lbs.	4.25	20.25	39.95

COMBINATIONS (Sold in units of 500 sets only)

Prices per 1000 sets:	Vita-Band 40	Vita-Band 10
No. 1 (1M Flats with 12M 1 3/4" Bands)	\$88.15	\$71.95
No. 2 (1M Flats with 12M 2x2 1/2" Bands)	97.70	79.80

PRICES ON BIRD RED AND VITA POTS

	2"	2 1/4"	2 1/2"	3"	3 1/2"	4"	5"	6"
Red Pots	\$6.85	\$6.85	\$6.90	\$7.30	\$9.65	\$11.55	\$14.15	\$17.65
Vita Pots	10.30	10.40	11.00	12.25	16.10	18.65	24.80	31.50

Be sure to indicate how you want shipment made: **Express, Railway Freight, or Truck.**

CATALOG No. 60—SPRING 1950—BUSINESS TERMS

NOTE—Cash or C.O.D. Discount! Prices quoted on Cyclamen seed and Plant Bands are net, no cash discount. Plant and Bulb prices are net unless quoted differently in special catalogs or lists. Otherwise, when cash is enclosed, or on C.O.D.s, a discount of 5% is allowed on all seed orders from \$5.00 to \$25.00. On \$25.00 and over, 8% is allowed. Plants, Bulbs and Plant Bands cannot be sent C.O.D.

If this is your first order, it should be signed with some **individual's name** in writing. Payment should accompany all orders unless credit has been established. C.O.D. shipments 50% in advance.

IMPORTANT. Make all checks or money orders payable to **Geo. J. Ball, Inc., WEST Chicago, Illinois.** Not responsible for currency sent in the mail. All Prices in this catalog subject to change without notice.

All Seed Orders sent prepaid in U. S. and Canada at catalog prices.

Our Business is with Florists only. We do not sell at retail.

Shortages. All items are offered subject to crop failures or shortages.

We, Geo. J. Ball, Inc., give no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants we send out and we will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seeds, bulbs or plants.



Staking and "bagging" Aster selections—to prevent cross pollination. Each year over 300 plants are carefully selected—our breeding lines for the next year.

Plant Breeding at Ball's

A tradition here, started nearly 40 years ago by Geo. J. Ball. Today we're at it harder than ever—aided by such modern tools as hybrid vigor (Hybrid Snaps, Petunias), and crossing to introduce new blood into our breeding lines. And aided, too, by our modern 100,000 ft. range of glass where carefully grown Snaps, Stocks, etc., provide the workshop for this fascinating project.

RECENT ACCOMPLISHMENTS

- New Ball Hybrid Snaps: No. 1 Yellow, No. 2 Pink and No. 7 Red now available; other colors coming.
- New Ball Stocks: Improved lavender, blue, ruby, malmaison and apricot. Also a rot-resistant white in prospect.
- New Ball Type Asters: Ball Shell-Pink this year; a fine new white, and other colors later.
- Begonias too: Ball Red, Ball Deep Rose, Ball White.
- A new Ball Matricaria, true to large imbricated flowers.

THESE STRAINS are our way of saying "thanks" to the growers everywhere who use our seeds.

Geo. J. Ball
INC.
WEST CHICAGO
ILLINOIS